## **Product Datasheet**

### TNF-alpha Antibody (52B83) [Alexa Fluor® 405] NBP2-48484AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

www.novusbio.com

technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NBP2-48484AF405

Updated 10/23/2024 v.20.1

# Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NBP2-48484AF405



#### NBP2-48484AF405

TNF-alpha Antibody (52B83) [Alexa Fluor® 405]

Product Information   Unit Size 0.1 ml   Concentration Please see the vial label for concentration. If unlisted please contact technical services.   Storage Store at 4C in the dark.   Clonality Monoclonal   Clone 52863   Preservative 0.05% Sodium Azide   Isotype IgG1   Conjugate Alexa Fluor 405   Purity Protein A or G purified   Buffer 50mM Sodium Borate   Product Description House   Gene Symbol TNF   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphoxin. Non-specific background staining is obesread in connective lissues.   Immunogen The monoclonal antibody 52883 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from customer review.   Notes Alexa Fluor (R) products are provided under an intellectual property license from customer review.   Product Application Details Alexa Fluor (R) products are provided under an intellectual property license from customer review.   Specificity/Sensitivity This detects both natural and recombinent. The set orealpha (TNF-alpha).   I			
Concentration   Please see the vial label for concentration. If unlisted please contact technical services.     Storage   Store at 4C in the dark.     Clonality   Monoclonal     Clone   52883     Preservative   0.05% Sodium Azide     Isotype   IgG1     Conjugate   Alexa Fluor 405     Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   Mouse     Gene ID   7124     Gene Symbol   TNF     Specificity/Sensitivity   This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is observed in connective tissues.     Immunogen   The technologies Corporation. The purchased from customer review.     Notes   Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product and components of the product or its components, or any materials made using in research conducted by the buyer is the outer for profit entity). The sale of this product and components of the product or its components, or any materials made using include_b buyer in the index outer or tis components, or its components, in any activity to generate review, which may include_b buyer is compared. Jin the secold for use in research. For information on due ta networ for preavment, (iiii) for t	Product Information		
services.   Storage Store at 4C in the dark.   Clonality Monoclonal   Clone 52B83   Preservative 0.05% Sodium Azide   Isotype IgG1   Conjugate Alexa Fluor 405   Purity Protein A or G purified   Buffer 50mM Sodium Borate   Product Description Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This fedters both natural and recombinant TNF. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchased or adu and components or any materials made using the product or its components, (i) for resale, regardless of whether they are resold for use in research. For information or purchased or data in return for paymert (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information or purcha	Unit Size	0.1 ml	
Clonality   Monoclonal     Clone   52B83     Preservative   0.05% Sodium Azide     Isotype   IgG1     Conjugate   Alexa Fluor 405     Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   Host     Host   Mouse     Gene ID   7124     Gene Symbol   TNF     Species   Human, Mouse, Rabbit, Sheep     Reactivity Notes   Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.     Specificity/Sensitivity   This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.     Immunogen   The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).     Notes   Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchased product and components of the product or its components, in any activity to generate revenue, which may include, but is not limited to use the product or its components. (0) in manufacturing. (i) it provide a service, inorphylactic purposes of (v) for resale, regardless of whether they are resold for use in research. For information or purchasing a detain returu for paymert. (ill product	Concentration		
Clone 52883   Preservative 0.05% Sodium Azide   Isotype IgG1   Conjugate Alexa Fluor 405   Purity Protein A or G purified   Buffer 50m Sodium Borate   Product Description Host   Host Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchased of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit antity). The sale of this product is components. (i) in manufacturing, (i) to provide a service, information, or any materials made using the product or lis components, in any activity to generate reveue, which may include, but is not limited to use of the product or ip urposes of this product. The vorim	Storage	Store at 4C in the dark.	
Preservative 0.05% Sodium Azide   Isotype IgG1   Conjugate Alexa Fluor 405   Purity Protein A or G purified   Buffer 50mM Sodium Borate   Product Description Host   Host Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Life Technologies Corporation. The purchase of this product and components of the product on its components, in any activity to generate revenue, which may include, but is not limited to use of the purchase of this product is expressly conditioned on the buyer the non-transferable right to use its expressly conditioned on the buyer to its components, or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components, orany materials made using the product or its component	Clonality	Monoclonal	
Isotype IgG1   Conjugate Alexa Fluor 405   Purity Protein A or G purified   Buffer 50mM Sodium Borate   Product Description Host   Host Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product conveys to the buyer not using the product or its components, or any materials made using the product or buy in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is components (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for researce, for allocide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for researce, reg	Clone	52B83	
Conjugate Alexa Fluor 405   Purity Protein A or G purified   Buffer 50mM Sodium Borate   Product Description Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or hymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conyeys to the buyer the non-transferable right to use the purchased product and components of the product on its components, or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components, in any materials made using the product or its components, in or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components, or any materials made using the product or its components. (i) in manufacturing; (ii) to provide a serv	Preservative	0.05% Sodium Azide	
Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   Host     Host   Mouse     Gene ID   7124     Gene Symbol   TNF     Species   Human, Mouse, Rabbit, Sheep     Reactivity Notes   Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.     Specificity/Sensitivity   This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.     Immunogen   The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).     Notes   Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purodext or its components of the product on ly in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product or is components of the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components. (i) for meaale, regardless of whether they are resold for use in research. For information on purchasing al license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from th	Isotype	lgG1	
Buffer 50mM Sodium Borate   Product Description Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product cand components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 75/91 Van Allen Way, Carisbad, CA 92008 USA or outlicensing @lifetch.com, 75/91 Van Allen Way, Carisbad, CA 92008 USA or outlicensing @lifetch.com, 75/91 Van Allen Way, Carisbad, CA 92008 USA or outlicensing @lifetch.com, 719 Van Allen Way, Carisbad, CA 92008 USA or outlicensing @lifetch.com, 719 Van Allen Way, Carisbad, CA 92008 USA or outlicensing @lifetch.com, 57/91	Conjugate	Alexa Fluor 405	
Product Description   Host Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchased product and components of the product or lis components, or any materials made using the product or lis components, or any materials made using the product or its components (i) in manufacturing (ii) to revide a service, information, or data in return for payment; (ii) for therapeutic, diagnostic or proprily vanile review. Which may include, but is not limited to use of the product is expressly conditioned on the buyer rot using license to the product or its components (i) in manufacturing (iii) to reviate soft the product. For information on purchasing a license to the product or its components (i) in manufacturing (iii) to provide a service, information, or data in return for payment; (ii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product or its components (i) in manufacturing (iii) to provide a service, information,	Purity	Protein A or G purified	
Host Mouse   Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B33 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product on its components, or any materials made using the product or its components. (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes; or (iv) for resale, regardless of whether they are resold for use in materials made on demand. Actual recovery may vary from the stade volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   Product Application Details Flow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Buffer	50mM Sodium Borate	
Gene ID 7124   Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product or its components. (i) in manufacturing: (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for buryoes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may yary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   Product Application Details Flow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Product Description		
Gene Symbol TNF   Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or propylatic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for use in search. For information on purchasing a license to this product for use in the search. For information on purchasing a license to this product or. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   Product Application Details Flo	Host	Mouse	
Species Human, Mouse, Rabbit, Sheep   Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   Product Application Details Flow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Gene ID	7124	
Reactivity Notes Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   Product Application Details Flow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Gene Symbol	TNF	
Monkey, Mouse. Sheep data from customer review.   Specificity/Sensitivity This detects both natural and recombinant TNFa. It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.   Immunogen The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).   Notes Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product cand components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product and components of the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   Product Application Details Flow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Species	Human, Mouse, Rabbit, Sheep	
TNF beta or lymphotoxin. Non-specific background staining is obesrved in connective tissues.ImmunogenThe monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF- alpha).NotesAlexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) for therapeutic, diagnostic or prophylactic purpose; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.Product Application DetailsFlow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Reactivity Notes		
AlexaFloor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.Product Application DetailsFlow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Specificity/Sensitivity	TNF beta or lymphotoxin. Non-specific background staining is obesrved in	
Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.Product Application DetailsFlow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Immunogen		
Applications Flow Cytometry, Immunoassay, Immunohistochemistry-Frozen,	Notes	Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The	
	Product Application Details		
	Applications		

www.novusbio.com



Recommended Dilutions	Flow Cytometry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoassay
Application Notes	Optimal dilution of this antibody should be experimentally determined.

#### Images

TNF-alpha Antibody (52B83) [Alexa Fluor® 405] [NBP2-48484AF405] -Vial of Alexa Fluor 405 conjugated antibody. Alexa Fluor 405 is optimally excited at 401 nm by the Violet laser (405 nm) and has an emission maximum of 421 nm. Alexa Fluor® 405 Alexa Fluor® 405 Laser (m) FLITER Violet (405) 450/45 Excitation Max(m) EMISSION MAX(m) 401 421

www.novusbio.com





#### Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

#### **Bio-Techne Canada**

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

#### **Bio-Techne Ltd**

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

#### **General Contact Information**

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

#### Products Related to NBP2-48484AF405

NBP1-97005AF405	Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 405]
NBP2-35076-10ug	Recombinant Human TNF-alpha Protein
M6000B-1	IL-6 [HRP]
210-TA-005	TNF-alpha [Unconjugated]

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-48484AF405

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

