

Product Datasheet

beta 2-Microglobulin Antibody (C21.48A1) - Azide and BSA Free NBP3-11404

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-11404

Updated 7/16/2024 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/NBP3-11404



NBP3-11404

beta 2-Microglobulin Antibody (C21.48A1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C21.48A1
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	12 kDa

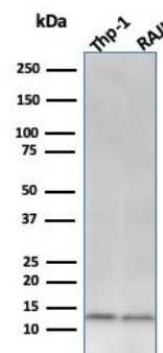
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44470). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	567
Gene Symbol	B2M
Species	Human, Primate
Reactivity Notes	Non-Human primates.
Marker	Renal Failure & Tumor Marker
Specificity/Sensitivity	The antibody recognizes the hidden determinant of beta-2 microglobulin (i.e. binding to its determinant is available only when the chain is separated from the HLA heavy chain. Beta-2 microglobulin is a 12KDa protein with a pI of 5.6. Serum beta2 microglobulin levels are a reflection of cell turnover. Levels rise with fever, inflammation, and infection. Increased serum levels are also seen in B-cell malignancies and in renal failure and may indicate a worse prognosis for patients with early-stage Hodgkins lymphoma. In urine, increased levels are seen in proximal renal tubular disease as well as renal transplant rejection. Beta2 microglobulin levels can rise either because its rate of synthesis has increased (e.g. in AIDS, malignant monoclonal plasma cell dyscrasia, solid tumours and autoimmune disease) or because of impaired renal filtration (e.g. due to renal insufficiency, graft rejection or nephrotoxicity induced by post-transplantation immunosuppressive therapy).
Immunogen	Soluble beta 2-Microglobulin (Uniprot: P61769)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml
Application Notes	Optimal dilution for a specific application should be determined.

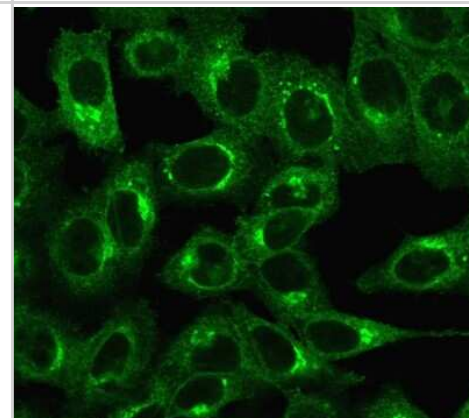


Images

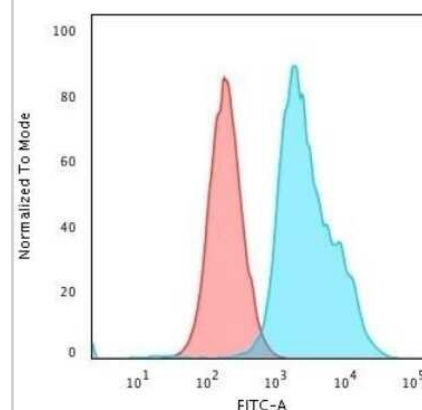
Western Blot: beta 2-Microglobulin Antibody (C21.48A1) - Azide and BSA Free [NBP3-11404] - Western Blot Analysis of THP-1 and Raji cell lysate using beta 2-Microglobulin Antibody (C21.48A1).



Immunocytochemistry/Immunofluorescence: beta 2-Microglobulin Antibody (C21.48A1) - Azide and BSA Free [NBP3-11404] - Immunofluorescent staining of HeLa cells. beta 2-Microglobulin Mouse Monoclonal Antibody (C21.48A1) followed by goat anti-Mouse IgG-CF488 (Green).



Flow Cytometry: beta 2-Microglobulin Antibody (C21.48A1) - Azide and BSA Free [NBP3-11404] - Flow Cytometric Analysis of PFA-fixed HeLa cells using followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).





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@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-11404

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP1-50840-0.01mg	Recombinant Human beta 2-Microglobulin His Protein

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/NBP3-11404

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

