

Product Datasheet

CD3 Antibody (OKT3) - Low Endotoxin, Azide and BSA Free NBP2-24867

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-24867

CD3 Antibody (OKT3) - Low Endotoxin, Azide and BSA Free

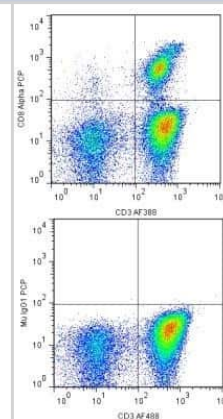
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OKT3
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	Filter sterilized PBS.
Target Molecular Weight	23.1 kDa

Product Description	
Host	Mouse
Gene ID	916
Gene Symbol	CD3E
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25485679)
Immunogen	This CD3 antibody was developed against human PBMCs.
Endotoxin Note	Endotoxin amounts will vary lot to lot, but should be less than 0.03 EU/ug.

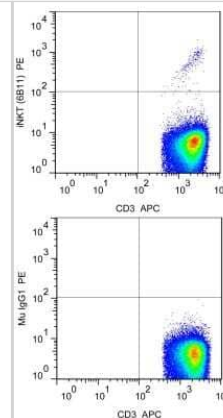
Product Application Details	
Applications	Flow Cytometry, Flow (Cell Surface), Functional, Immunoblotting, In vitro assay, In vivo assay, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1 uL / 1 million cells, Functional, Immunoblotting reported in scientific literature (PMID 23880762), In vitro assay reported in scientific literature (PMID 26084721), In vivo assay reported in scientific literature (PMID 25535359), Flow (Cell Surface), CyTOF-ready

Images

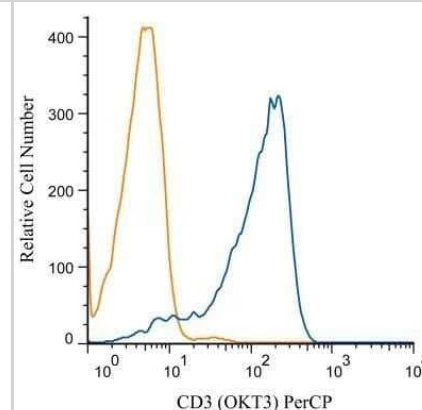
Flow Cytometry: CD3 Antibody (OKT3) - Low Endotoxin and Azide Free [NBP2-24867] - Analysis using Alexa Fluor (R) 488 conjugate of NBP2-24867. A cell surface stain was performed on hPBMCs with CD8 Alpha antibody (RPA-T8) NBP2-25195 (top image) and a matched isotype control NBP2-27287 (bottom image). Cells were incubated in an antibody dilution of 1:200 for 20 minutes at room temperature. Both antibodies were conjugated to PerCP. A co-stain was also performed using CD3 antibody NBP2-24867AF488.



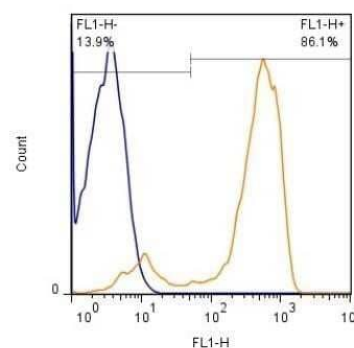
Flow Cytometry: CD3 Antibody (OKT3) - Low Endotoxin and Azide Free [NBP2-24867] - Analysis of CD3+ hPMBCs using the APC conjugate of this antibody. A cell surface stain was performed on CD3+ hPMBCs with V alpha 24 J alpha 18 TCR antibody (6B11) NBP2-00267PE (top image) and a matched isotype control NBP2-27287 (bottom image). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin. A co-stain was also performed using CD3 antibody NBP2-24867APC.



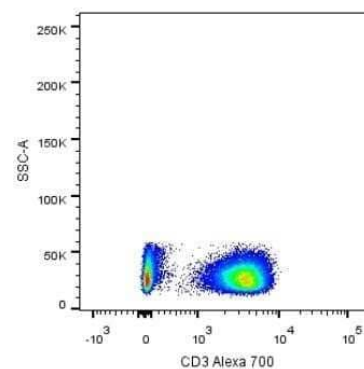
Flow Cytometry: CD3 Antibody (OKT3) - Low Endotoxin and Azide Free [NBP2-24867] - Analysis of PerCP conjugate of NBP2-25186. A surface stain was performed on Jurkat cells with CD3 (OKT3) antibody NBP2-24867PCP (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 2.5 ug/mL for 20 minutes at room temperature.



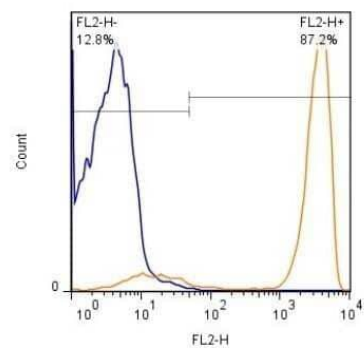
Flow (Cell Surface): CD3 Antibody (OKT3) - Low Endotoxin and Azide Free [NBP2-24867] - Analysis using the Alexa Fluor (R) 488 conjugate of NBP2-24867. Detection of CD3 expression in hPMBC's gated to lymphocyte population at 1×10^6 cells/mL. Cells were stained with NBP2-24867AF488 (orange) conjugate at a 1:500 dilution. Results are shown with mlgG2 (AF488 conjugate) isotype control (blue).



Flow Cytometry: CD3 Antibody (OKT3) - Low Endotoxin and Azide Free [NBP2-24867] - Analysis using the Alexa Fluor (R) 700 conjugate of NBP2-24867. Staining of human PBMC. Flow cytometry image submitted by a verified customer review.



Flow (Cell Surface): CD3 Antibody (OKT3) - Low Endotoxin and Azide Free [NBP2-24867] - Analysis using the PE conjugate of NBP2-24867. Detection of CD3 expression in hPBMC's gated to lymphocyte population at 1×10^6 cells/ml. Cells were stained with NBP2-24867PE (orange) conjugate at a 1:500 dilution.



Publications

Ma SD, Xu X, Plowshay J et al. LMP1-deficient Epstein-Barr virus mutant requires T cells for lymphomagenesis. *J Clin Invest.* [PMID: 25485679] (In Vivo, Mouse)

Details:

Citation using the Azide and Endotoxin Free form of this antibody.

Crellin NK, Garcia RV, Hadisfar O et al. Human CD4+ T cells express TLR5 and its ligand flagellin enhances the suppressive capacity and expression of FOXP3 in CD4+CD25+ T regulatory cells. *J Immunol.* [PMID: 16339542] (FLOW, Human)

Details:

Citation using the Azide and Endotoxin Free form of this antibody.

Ma SD, Xu X, Jones R et al. PD-1/CTLA-4 Blockade Inhibits Epstein-Barr Virus-Induced Lymphoma Growth in a Cord Blood Humanized-Mouse Model. *PLoS Pathog.* [PMID: 27186886] (In Vivo, Mouse)

Details:

Citation using the Azide and Endotoxin Free form of this antibody.

Gill T, Levine AD. Mitochondria-derived hydrogen peroxide selectively enhances T cell receptor-initiated signal transduction. *J Biol Chem.* [PMID: 23880762]

Details:

Citation using the Azide and Endotoxin Free form of this antibody.

Whitehurst CB, Li G, Montgomery SA et al. Knockout of Epstein-Barr Virus BPLF1 Retards B-Cell Transformation and Lymphoma Formation in Humanized Mice. *MBio.* [PMID: 26489865] (In Vivo, Human)

Details:

Citation using the Azide and Endotoxin Free form of this antibody.

Kim SG, Lowe EL, Dixit D et al. Cocaine-mediated impact on HIV infection in humanized BLT mice. *Sci Rep.* [PMID: 26084721] (Func, In vitro, Human)

Details:

Citation using the Azide and Endotoxin Free form of this antibody.

Ma SD, Xu X, Plowshay J et al. LMP1-deficient Epstein-Barr virus mutant requires T cells for lymphomagenesis. *J Clin Invest.* [PMID: 25535359] (In Vivo)

Details:

Citation using the Azide and Endotoxin Free form of this antibody.

Ma SD, Yu X, Mertz JE et al. An Epstein-Barr Virus (EBV) mutant with enhanced BZLF1 expression causes lymphomas with abortive lytic EBV infection in a humanized mouse model. *J Virol.* 2012-08-01 [PMID: 22623780] (Mouse)

Details:

CD3 (IMG-6240E). FA: Mice received 2 ug of CD3 antibody intravenously per day, starting 1 day after EBV infection, Fig 1A & Fig 1B.



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 NBP2-24867

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-24867AF700	CD3 Antibody (OKT3) [Alexa Fluor® 700]

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.

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