

# Product Datasheet

## CD3 Antibody (OKT3) [Alexa Fluor® 488] NBP2-24867AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-24867AF488**

CD3 Antibody (OKT3) [Alexa Fluor® 488]

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	OKT3
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	Alexa Fluor 488
Purity	Protein G purified
Buffer	50mM Sodium Borate
Target Molecular Weight	23.1 kDa

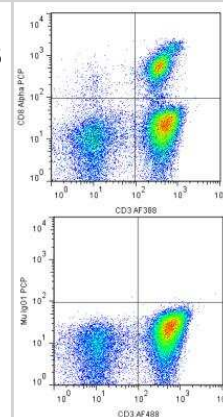
Product Description	
Host	Mouse
Gene ID	916
Gene Symbol	CD3E
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25485679)
Immunogen	This CD3 antibody was developed against human PBMCs.
Notes	Alexa Fluor (R) products are provided under an intellectual property 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, 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 <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . 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	
Applications	Flow Cytometry, Flow (Cell Surface), Functional, Immunoblotting, In vitro assay, In vivo assay, CyTOF-ready
Recommended Dilutions	Flow Cytometry, Functional, Immunoblotting, In vitro assay, In vivo assay, Flow (Cell Surface), CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.

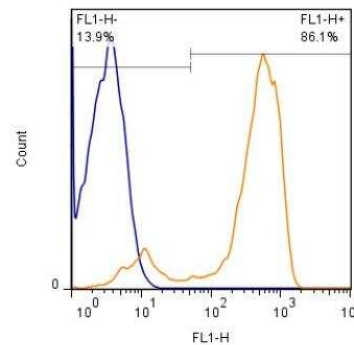


## Images

Flow Cytometry: CD3 Antibody (OKT3) [Alexa Fluor (R) 488] [NBP2-24867AF488] - 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 (Cell Surface): CD3 Antibody (OKT3) [Alexa Fluor (R) 488] [NBP2-24867AF488] - Analysis of CD3 expression in hPBMC's gated to lymphocyte population at 1 x 10<sup>6</sup> 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)





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### **Products Related to NBP2-24867AF488**

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NBP1-96981AF488	Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 488]
NBP2-24867AF700	CD3 Antibody (OKT3) [Alexa Fluor® 700]
210-TA-005	TNF-alpha [Unconjugated]
NBP2-75137	Mouse CD3 ELISA Kit (Colorimetric)

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### **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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