

# Product Datasheet

## CD3 Antibody (13) - Azide and BSA Free NBP2-43674

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 9/25/2025 v.20.1

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**NBP2-43674**

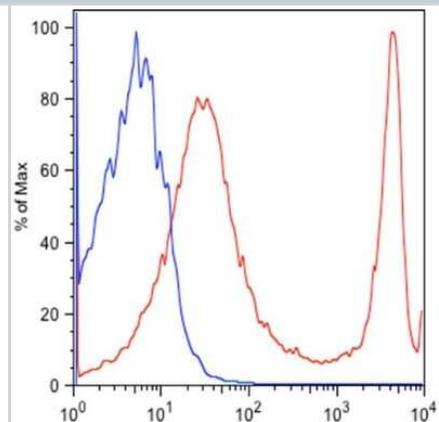
CD3 Antibody (13) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	13
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CD3 Antibody (13) - Azide and BSA Free (NBP2-43674) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-CD3 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	916
<b>Gene Symbol</b>	CD3E
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	The immunogen used to generate this antibody corresponds to human CD3
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 1:100 - 1:1000

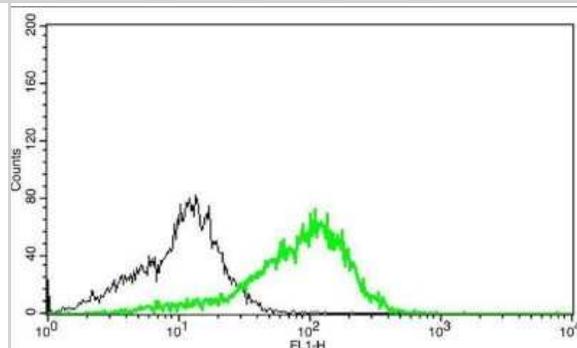


## Images

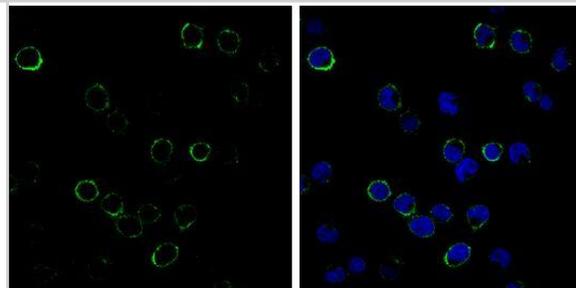
Flow Cytometry: CD3 Antibody (13) [NBP2-43674] - Analysis of B6 / spleen. Blue: Isotype control (anti-mouse IgG-FITC) dilution: 1:300. Red: CD3 antibody dilution: 1:50.



Flow Cytometry: CD3 Antibody (13) [NBP2-43674] - Analysis of Jurkat cell Black: Isotype control dilution: 1:50. Green: CD3 antibody dilution: 1:50.



CD3 antibody [GT0013] detects CD3 protein at cell membrane by immunofluorescent analysis.  
 Sample: Jurkat cells were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: CD3 protein stained by CD3 antibody [GT0013] (NBP2-43674) diluted at 1:200.  
 Blue: Hoechst 33342 staining.



## Publications

Kathleen Turajane, Gang Ji, Yurii Chinenov, Max Chao, Ugur Ayturk, Vincentius J Suhardi, Matthew B Greenblatt, Lionel B Ivashkiv, Mathias PG Bostrom, Xu Yang RNA-seq Analysis of Peri-Implant Tissue Shows Differences in Immune, Notch, Wnt, and Angiogenesis Pathways in Aged Versus Young Mice JBMR Plus 2021-09-09 [PMID: 34761143]

G Moreira T, Gauthier CD, Murphy L et al. Nasal administration of anti-CD3 mAb (Foralumab) downregulates NKG7 and increases TGFB1 and GIMAP7 expression in T cells in subjects with COVID-19 Proceedings of the National Academy of Sciences of the United States of America 2023-03-14 [PMID: 36881624] (FLOW, Mouse)

Barrera C, Corredor G, Viswanathan VS et al. Deep computational image analysis of immune cell niches reveals treatment-specific outcome associations in lung cancer NPJ precision oncology 2023-06-01 [PMID: 37264091]

Kitagawa K, Shibata E, Yamamoto M et al. Subacute exposure to bisphenol F diglycidyl-ether induces chronic dermatitis characterized by psoriasis-like skin inflammation in mice Genes to cells : devoted to molecular & cellular mechanisms 2022-12-01 [PMID: 36453187]

Nguyen TT, Pham DV, Park J et al. Engineering of hybrid spheroids of mesenchymal stem cells and drug depots for immunomodulating effect in islet xenotransplantation Science advances 2022-08-26 [PMID: 36001671] (IHC-Fr)

Details:

Dilutions: 1:300

Chun J, Kang H, Yi J et al. Bojungikki-Tang enhances the effect of PD-1 blockade in a murine model of lung carcinoma Research Square 2022-07-13





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### **Products Related to NBP2-43674**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
210-TA-005	TNF-alpha [Unconjugated]

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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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