

Product Datasheet

CD4 Antibody (RPA-T4) - Azide and BSA Free NBP2-25199

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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NBP2-25199

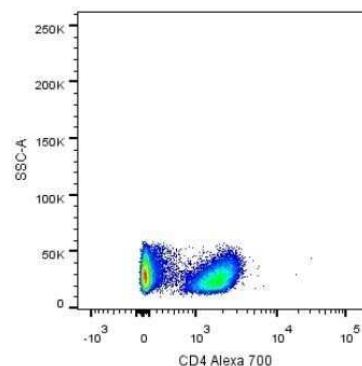
CD4 Antibody (RPA-T4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RPA-T4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse CD4 Antibody (RPA-T4) - Azide and BSA Free (NBP2-25199) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-CD4 Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	920
Gene Symbol	CD4
Species	Human
Immunogen	PHA-stimulated human PBMC.
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, In vitro assay, Block/Neutralize, CyTOF-ready, Immunohistochemistry-Paraffin (Negative)
Recommended Dilutions	Flow Cytometry, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, In vitro assay reported in multiple pieces of scientific literature, Immunohistochemistry-Paraffin (Negative), CyTOF-ready, Block/Neutralize
Application Notes	RPA-T4 is capable of blocking HIV-1, gp120, and inhibits syncytium formation. The RPA-T4 clone reacts with CD4, a 59 kDa single-chain transmembrane glycoprotein [receptor for human HIV virus] present on T-helper/inducer cell populations. This antibody binds to the D1 domain of CDR1 and CDR3 epitopes. The CD4 antigen and reacts with approximately 80% of thymocytes and 45% of peripheral blood lymphocytes. CD4 is also present in low density on peripheral blood monocytes. Clone RPA-T4 is widely published in literature, see Knapp W, Dorken B, Rieber E P, et al, ed. Also see Schlossman SF, Boumsell L, Gilks W, et al, ed..

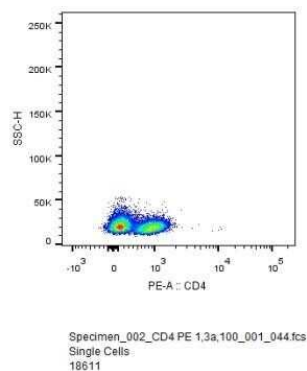


Images

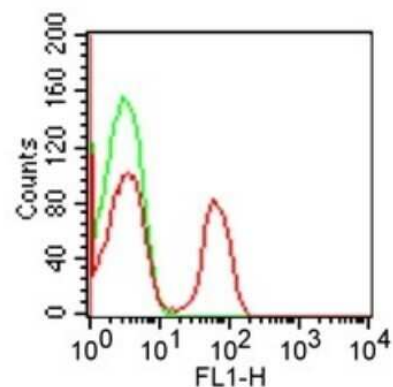
Flow Cytometry: CD4 Antibody (RPA-T4) [NBP2-25199] - Analysis using the Alexa Fluor (R) 700 conjugate of NBP2-27216. Staining of human PBMC. Image from verified customer review.



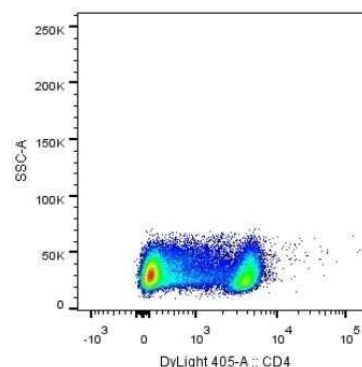
Flow Cytometry: CD4 Antibody (RPA-T4) [NBP2-25199] - Analysis using the PE conjugate of NBP2-27216. Staining of CD4 in human PBMC using anti-CD4 antibody. Image from verified customer review.



Flow Cytometry: CD4 Antibody (RPA-T4) [NBP2-25199] - Analysis using the FITC conjugate of NBP2-27216. Staining of CD4 in 1×10^6 human PBMC using 10 ul (0.1 ug) of was used to test this product. Propidium iodide negative lymphocyte population gated for analysis. Image using the Azide Free format of this antibody.

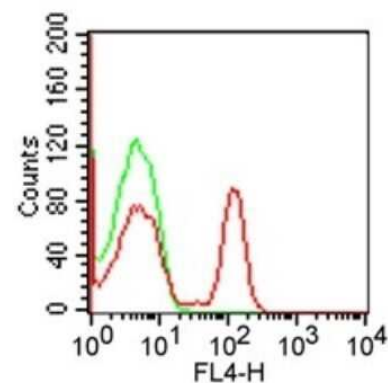


Flow Cytometry: CD4 Antibody (RPA-T4) [NBP2-25199] - Analysis using the DyLight 405 conjugate of NBP2-27216. Staining of CD4 in human PBMCs using anti-CD4 antibody. Image from verified customer review.

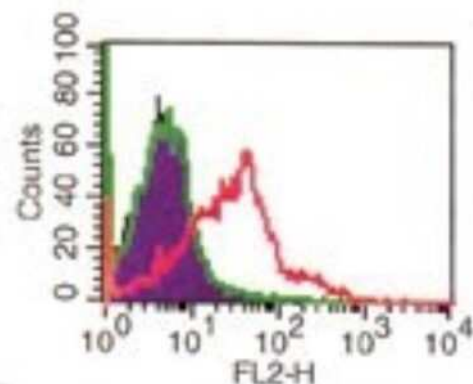


Flow Cytometry: CD4 Antibody (RPA-T4) [NBP2-25199] - Analysis using the PE conjugate of NBP2-27216. Staining of CD4 in 1×10^6 human PBMC using 10 μ l (0.1 μ g) of this antibody. Green represents isotype control; red represents anti-CD4 antibody. Image using the Azide Free format of this antibody. ✖

Flow Cytometry: CD4 Antibody (RPA-T4) [NBP2-25199] - Analysis using the Allophycocyanin conjugate of NBP2-27216. Staining of CD4 in 1×10^6 human PBMC using 10 μ l (0.1 μ g) of was used to test this product. Propidium iodide negative lymphocyte population gated for analysis. Image using the Azide Free format of this antibody.



Flow Cytometry: CD4 Antibody (RPA-T4) - Azide and BSA Free [NBP2-25199] - analysis of CD4 in human PBMCs using 0.1 μ g of this antibody. Secondary antibody is goat anti-mouse PE.



Publications

Zhang Q, Zong L, Zhang H Et al. B7-H4 Expression in Precancerous Lesions of the Uterine Cervix Biomed Res Int 2021-10-15 [PMID: 34651047] (ICC/IF, Human)

Details:

Citation using the Azide and BSA Free version of this antibody.

Hellwinkel JE, Redzic JS, Harland TA et al Glioma-derived extracellular vesicles selectively suppress immune responses. Neuro Oncol. 2016-04-01 [PMID: 26385614] (FLOW, Human)

Details:

Citation using the Azide Free version of this antibody.

Kaneko H, Saito K, Hashimoto H et al. Preferential elimination of CD28+ T cells in systemic lupus erythematosus (SLE) and the relation with activation-induced apoptosis Clin Exp Immunol. 1996-11-01 [PMID: 8918566]

Ruggiero G, Martinez Caceres E, Voordouw A et al. CD40 expressed on thymic epithelial cells provides costimulation for proliferation but not for apoptosis of human thymocytes J Immunol. 1996-05-15 [PMID: 8621909]

Staal FJ, Res PC, Weijer K, Spits H. Development of retrovirally marked human T progenitor cells into mature thymocytes Int Immunol. 1995-08-01 [PMID: 7495737]

Chabanne L, Marchal T, Kaplanski C et al. Screening of 78 monoclonal antibodies directed against human leukocyte antigens for cross-reactivity with surface markers on canine lymphocytes Tissue Antigens. 1994-03-01 [PMID: 8091419]

Wilson MR, Crowley S, Odgers GA, Shaw L. Immunofluorescent labeling using covalently linked anti-phycoerythrin antibodies and phycoerythrin polymers Cytometry. 1991-01-06 [PMID: 2065561]

Schols D, De Clercq E. Human immunodeficiency virus type 1 gp120 induces anergy in human peripheral blood lymphocytes by inducing interleukin-10 production J Virol. 1996-08-01 [PMID: 8764000] (In vitro, Human)

Aversa G, Waugh JA, Hall BM. A monoclonal antibody (A6) recognizing a unique epitope restricted to CD45RO and RB isoforms of the leukocyte common antigen family identifies functional T cell subsets Cell Immunol. 1994-10-15 [PMID: 7522974] (In vitro, Human)

Deng MC, Bell S, Huie P et al. Cardiac allograft vascular disease Relationship to microvascular cell surface markers and inflammatory cell phenotypes on endomyocardial biopsy Circulation. 1995-03-15 [PMID: 7882470] (IHC-Fr, Human)

Galy A, Verma S, Barcena A, Spits H. Precursors of CD3+CD4+CD8+ cells in the human thymus are defined by expression of CD34 Delineation of early events in human thymic development J Exp Med. 1993-08-01 [PMID: 7688021] (FLOW, In vitro, Human)

Res P, Martinez-Caceres E, Cristina Jaleco A et al. CD34+CD38dim cells in the human thymus can differentiate into T, natural killer, and dendritic cells but are distinct from pluripotent stem cells Blood. 1996-06-15 [PMID: 8652833] (FLOW, Human)

More publications at <http://www.novusbio.com/NBP2-25199>



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Products Related to NBP2-25199

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-27216V	CD4 Antibody (RPA-T4) [DyLight 405]

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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