Product Datasheet

CD4 Antibody (RPA-T4) - Azide and BSA Free
NBP2-27216

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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Publications: 1

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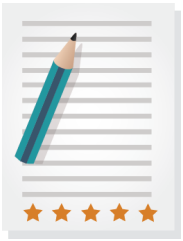
Updated 9/9/2025 v.20.1



NBP2-27216

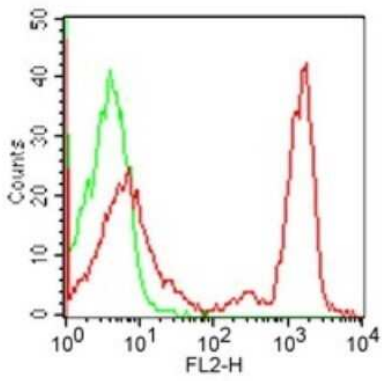
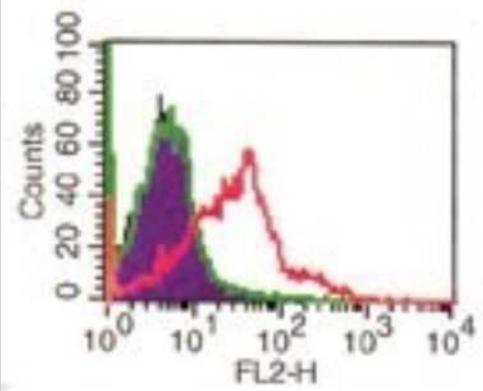
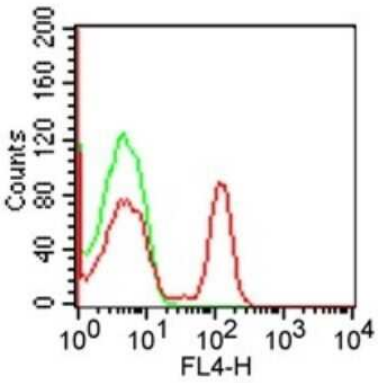
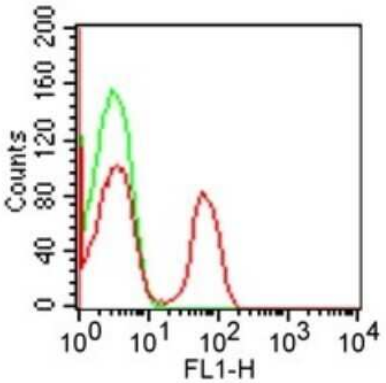
CD4 Antibody (RPA-T4) - Azide and BSA Free

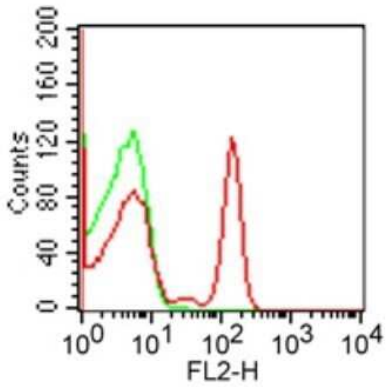
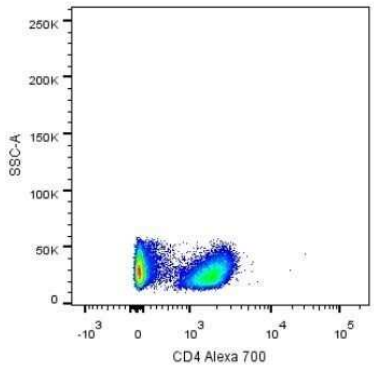
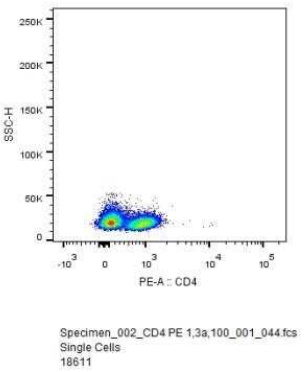
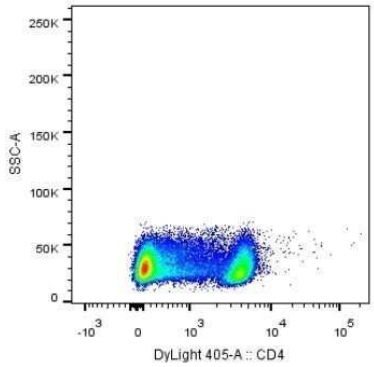
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RPA-T4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Sterile - filtered PBS

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 1 publication. 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, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Block/Neutralize, CyTOF-ready, Immunohistochemistry-Paraffin (Negative)
Recommended Dilutions	Flow Cytometry 1ul/1 million cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1:10 -1:500, Flow (Cell Surface), 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 approvimately 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 all, ed. Also see Schlossman SF, Boumsell L, Gilks W, et al, ed.

Images

Flow Cytometry: CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Cell surface flow analysis of CD4 in human PBMC using this antibody at 0.25 ug/10^6 cells. Cells were stained with primary antibody followed by a PE-conjugated goat anti-mouse secondary antibody this antibody. Green represents isotype control; red represents anti-CD4 antibody. Cells in the lymphocyte gate were used for analysis. Image using the standard format of this product.	
Flow Cytometry: CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - analysis of CD4 in human PBMCs using 0.1 ug of this antibody. Secondary antibody is goat anti-mouse PE.	
Flow (Cell Surface): CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Analysis using the Allophycocyanin conjugate of NBP2-27216. Staining of CD4 in 1x10^6 human PBMC using 10 ul (0.1 ug) of was used to test this product. Propidium iodide negative lymphocyte population gated for analysis.	
Flow (Cell Surface): CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Analysis using the FITC conjugate of NBP2-27216. Staining of CD4 in 1x10^6 human PBMC using 10 ul (0.1 ug) of was used to test this product. Propidium iodide negative lymphocyte population gated for analysis.	

Flow (Cell Surface): CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Analysis using the PE conjugate of NBP2-27216. Staining of CD4 in 1x10^6 human PBMC using 10 ul (0.1 ug) of this antibody. Green represents isotype control; red represents anti-CD4 antibody.	
Flow Cytometry: CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - 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) - Azide Free [NBP2-27216] - 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) - Azide Free [NBP2-27216] - Analysis using the DyLight 405 conjugate of NBP2-27216. Staining of CD4 in human PBMCs using anti-CD4 antibody. Image from verified customer review.	

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.

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Products Related to NBP2-27216

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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