

# 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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Updated 9/9/2025 v.20.1

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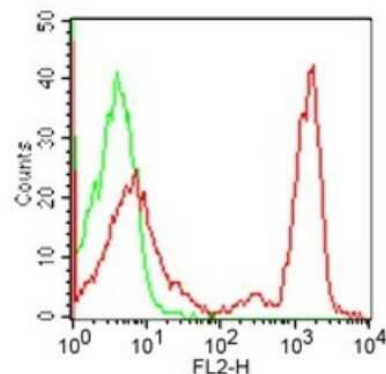


**NBP2-27216****CD4 Antibody (RPA-T4) - Azide and BSA Free**

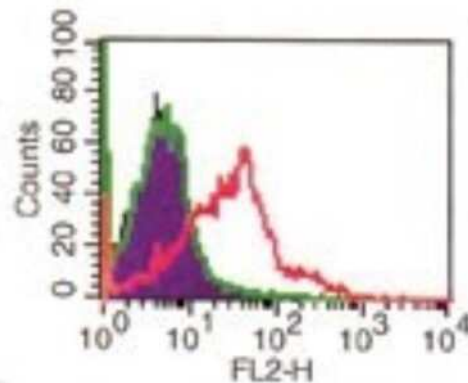
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	RPA-T4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	Sterile - filtered PBS
<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Mouse
<b>Gene ID</b>	920
<b>Gene Symbol</b>	CD4
<b>Species</b>	Human
<b>Immunogen</b>	PHA-stimulated human PBMC.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Block/Neutralize, CyTOF-ready, Immunohistochemistry-Paraffin (Negative)
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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) - Azide Free [NBP2-27216] - Cell surface flow analysis of CD4 in human PBMC using this antibody at 0.25 ug/10<sup>6</sup> 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.



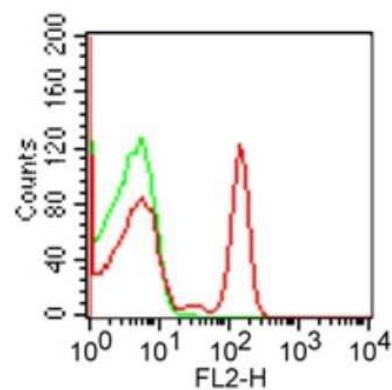
Flow (Cell Surface): CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Analysis using the Allophycocyanin conjugate of NBP2-27216. Staining of CD4 in 1x10<sup>6</sup> human PBMC using 10 ul (0.1 ug) of was used to test this product. Propidium iodide negative lymphocyte population gated for analysis.



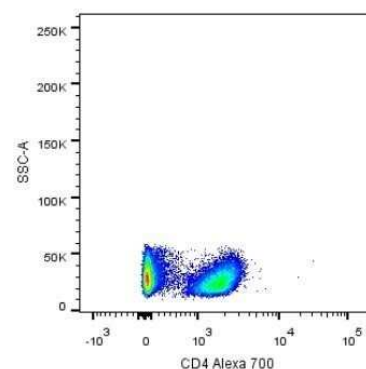
Flow (Cell Surface): CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Analysis using the FITC conjugate of NBP2-27216. Staining of CD4 in 1x10<sup>6</sup> human PBMC using 10 ul (0.1 ug) of was used to test this product. Propidium iodide negative lymphocyte population gated for analysis.



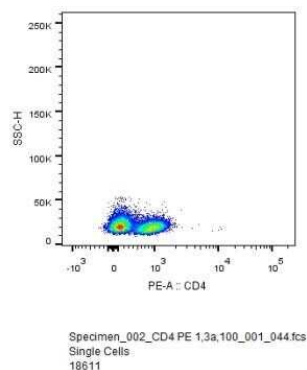
Flow (Cell Surface): CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Analysis using the PE conjugate of NBP2-27216. Staining of CD4 in  $1 \times 10^6$  human PBMC using 10  $\mu$ l (0.1  $\mu$ g) of this antibody. Green represents isotype control; red represents anti-CD4 antibody.



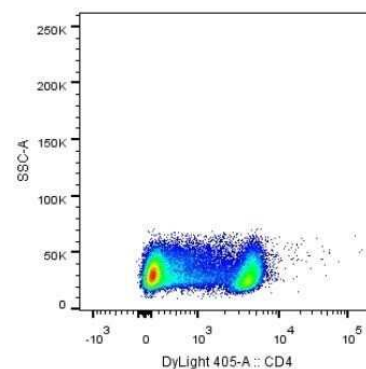
Flow Cytometry: CD4 Antibody (RPA-T4) - Azide Free [NBP2-27216] - Analysis using the Alexa Fluor (R) 700 conjugate of NBP2-27216. Staining of human PBMC. Image from verified customer review.



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

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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]

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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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