

# Product Datasheet

## CD8 Antibody (RPA-T8) - Azide and BSA Free NBP2-25195

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: 7

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**NBP2-25195**

CD8 Antibody (RPA-T8) - Azide and BSA Free

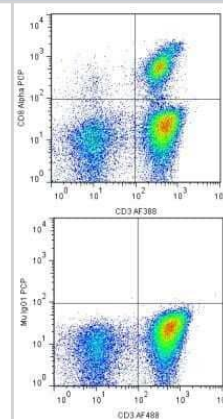
| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 mg   |
| Concentration           | 1 mg/ml  |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal   |
| Clone                   | RPA-T8   |
| Preservative            | No Preservative  |
| Isotype                 | IgG1 Kappa   |
| Purity                  | Protein G purified   |
| Buffer                  | PBS  |
| Target Molecular Weight | 26 kDa   |

| Product Description |   |
|---------------------|---|
| Description         | Novus Biologicals Mouse CD8 Antibody (RPA-T8) - Azide and BSA Free (NBP2-25195) is a monoclonal antibody validated for use in IHC and Flow. Anti-CD8 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Mouse   |
| Gene ID             | 925   |
| Gene Symbol         | CD8A  |
| Species             | Human   |
| Immunogen           | CD8 Antibody (RPA-T8) was developed against CD8 (CD8a; alpha chain)   |

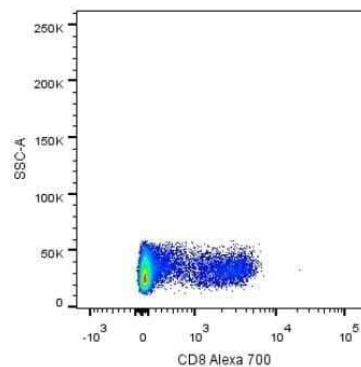
| Product Application Details |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Flow (Cell Surface), Immunohistochemistry, Immunohistochemistry-Frozen, In vitro assay, CyTOF-ready   |
| Recommended Dilutions       | Flow Cytometry 0.1-0.25 ug per $1 \times 10^6$ cells, Immunohistochemistry, Immunohistochemistry-Frozen reported in scientific literature (PMID 7882470), In vitro assay reported in multiple pieces of scientific literature, Flow (Cell Surface), CyTOF-ready |

**Images**

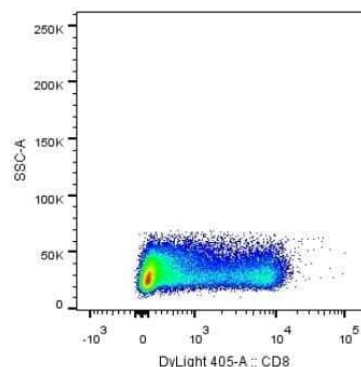
Flow Cytometry: CD8 Antibody (RPA-T8) [NBP2-25195] - CD8 alpha Antibody (RPA-T8) [NBP2-25195] - Analysis using PerCP conjugate of NBP2-25195. A cell surface stain was performed on hPBMCs with CD8 Alpha antibody (RPA-T8) NBP2-25195 (top image) and a matched isotype control NBP2-27287 (bottom image). Cells 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.



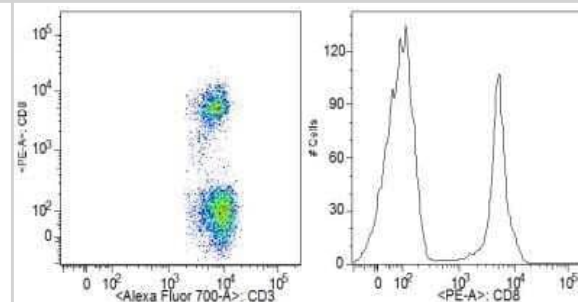
Flow Cytometry: CD8 Antibody (RPA-T8) [NBP2-25195] - Analysis using the Alexa Fluor (R) 700 conjugate of NBP2-25195. Staining of CD8 alpha in human PBMC using CD8 alpha antibody. Image from verified customer review.



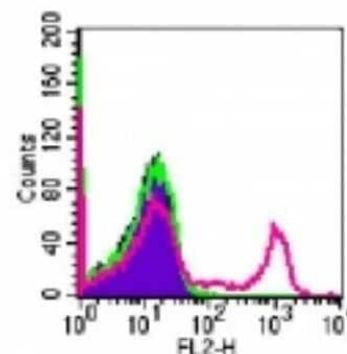
Flow Cytometry: CD8 Antibody (RPA-T8) [NBP2-25195] - Analysis using the DyLight 405 conjugate of NBP2-25195. Staining of CD8 alpha in human PBMCs using anti-CD8 alpha antibody. Image from verified customer review.



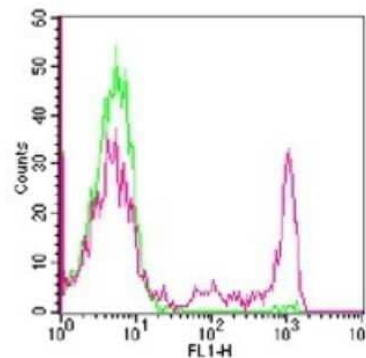
Flow (Cell Surface): CD8 Antibody (RPA-T8) [NBP2-25195] - CD8 alpha Antibody (RPA-T8) [NBP2-25195] - Analysis using the PE conjugate of NBP2-25195. Staining of Human peripheral blood mononuclear cells. Image from verified customer review.



Flow Cytometry: CD8 Antibody (RPA-T8) - Azide and BSA Free [NBP2-25195] - Analysis using the PE conjugate of NBP2-25195. Staining of CD8 in  $10^6$  human PBMC using 10 ul (0.1 ug) of this antibody. The shaded histogram represents human PBMC alone; green represents mouse isotype control, red represents human CD8 this antibody.



Flow Cytometry: CD8 Antibody (RPA-T8) - Azide and BSA Free [NBP2-25195] - Analysis using the FITC conjugate of NBP2-25195. Staining of CD8 in human PBMCs using 0.25 ug of (clone RPA-T8) per approximately  $1 \times 10^6$  cells. Green represents isotype control this antibody, red represents anti-CD8 FITC antibody.



## Publications

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]

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]

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)

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)



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### **Products Related to NBP2-25195**

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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)      |
| NBP2-25195V      | CD8 Antibody (RPA-T8) [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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