

CD8a Monoclonal Antibody (RPA-T8), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Cynomolgus Monkey, Rat, Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RPA-T8
Conjugate	APC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10669564

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.06 µg)/test	27 Publications

Product Specific Information

Description: The RPA-T8 monoclonal antibody reacts with the human CD8a molecule, an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T-cell development and activation of mature T cells.

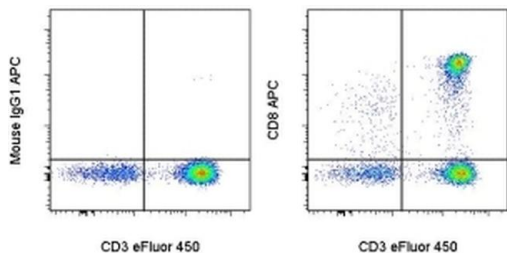
Applications Reported: The RPA-T8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This RPA-T8 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD8a Monoclonal Antibody (RPA-T8), APC, eBioscience™



CD8a Antibody (17-0088-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD3 eFluor® 450 (Product # 48-0037-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD8a APC (Product # 17-0088-42) (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

27 References

Flow Cytometry (27)

Stem cells and development

Immunological Properties of Neural Crest Cells Derived from Human Induced Pluripotent Stem Cells.

"Published figure using CD8a monoclonal antibody (Product # 17-0088-42) in Flow Cytometry"

Authors: Fujii S, Yoshida S, Inagaki E, Hatou S, Tsubota K, Takahashi M, Shimmura S, Sugita S

Species

Not Applicable

Dilution

Not Cited

Year

2019

Stem cells international

Umbilical Cord-Derived Mesenchymal Stem Cells Suppress Autophagy of T Cells in Patients with Systemic Lupus Erythematosus via Transfer of Mitochondria.

"Published figure using CD8a monoclonal antibody (Product # 17-0088-42) in Flow Cytometry"

Authors: Chen J, Wang Q, Feng X, Zhang Z, Geng L, Xu T, Wang D, Sun L

Species

Not Applicable

Dilution

Not Cited

Year

2018

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