

CD8a Monoclonal Antibody (RPA-T8), Alexa Fluor™ 561, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 561, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RPA-T8
Conjugate	Alexa Fluor™ 561
Excitation/Emission Max	556/569 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2896191

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	1 Publication

Product Specific Information

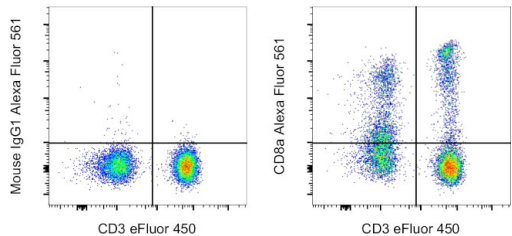
Description: The RPA-T8 monoclonal antibody reacts with the human CD8a molecule, an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells 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: This RPA-T8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This RPA-T8 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may 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 10^5 to 10^8 cells/test.

Alexa Fluor 561 emits at 575 nm and is intended for use on spectral cytometers where it may be multiplexed with both PE and PE-eFluor 610.

Excitation: 558 nm; Emission: 575 nm; Laser: Yellow-Green Laser



CD8a Antibody (505-0088-42) in Flow

Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, eFluor 450 (Product # 48-0037-42) and Mouse IgG1 kappa Isotype Control, Alexa Fluor 561 (Product # 505-4714-81) (left) or CD8a Monoclonal Antibody, Alexa Fluor 561 (right). Viable cells in the lymphocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50). This data was collected on a 5-laser Cytex Aurora full spectral cytometer.

1 Reference

Flow Cytometry (1)

<p>Vaccine: X</p> <p>Invaplex functions as an intranasal adjuvant for subunit and DNA vaccines co-delivered in the nasal cavity of nonhuman primates.</p> <p>"505-0088-42 was used in Flow Cytometry to suggest that Invaplex could be highly effective as an adjuvant for intranasal protein vaccines in humans, especially those intended to prevent infections in the genital or respiratory tract."</p> <p>Authors: Camp JV,Wilson RL,Singletonary M,Blanchard JL,Aldovini A,Kaminski RW,Oaks EV,Kozlowski PA</p>	<p>Year 2021</p> <p>Species Rhesus monkey</p>
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