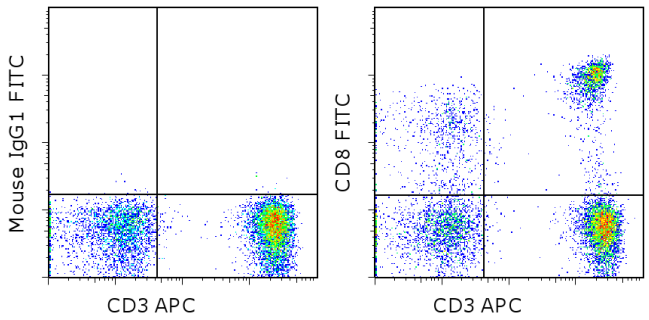
Anti-Human CD8a FITC

Catalog Number: 11-0087
Also known as: CD8 alpha, leu-2a
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD3 APC (cat. 17-0037) and Mouse IgG1 K Isotype Control FITC (cat. 11-4714) (left) or Anti-Human CD8a FITC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD8a FITC
REF **Catalog Number:** 11-0087
Clone: SK1
Concentration: 5 uL (0.125 ug)/test
Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium azide

Description

The SK1 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 SK1 (SK-1) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This SK1 (SK-1) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 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.

References

Campanelli, R., Palermo, B., et al. Human CD8 co-receptor is strictly involved in MHC-peptide tetramer-TCR binding and T cell activation. International Immunology. 2002 May; 14(1):39-44.

Evans, R.L., Wall, D.W., et al. Thymus-dependent membrane antigens in man: Inhibition of cell-mediated lympholysis by monoclonal antibodies to TH2 antigen. Immunol. 1981 Jan; 78,1:544-548.

Related Products

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)
17-0037 Anti-Human CD3 APC (OKT3)

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