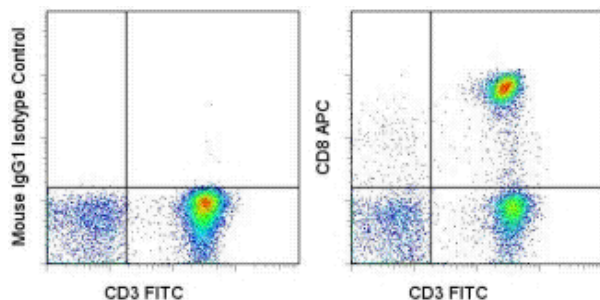


Anti-Human CD8a APC

Catalog Number: 17-0087

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 FITC (cat. 11-0038) and Mouse IgG1 K Isotype Control APC (cat. 17-4714) (left) or Anti-Human CD8a APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD8a APC

REF **Catalog Number:** 17-0087

Clone: SK1

Concentration: 5 µL (0.25 µg)/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 human peripheral blood leukocytes. This can be used at 5 µL (0.25 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.

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

11-0038 Anti-Human CD3 FITC (UCHT1)

17-0086 Anti-Human CD8a APC (OKT8 (OKT-8))

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.1)