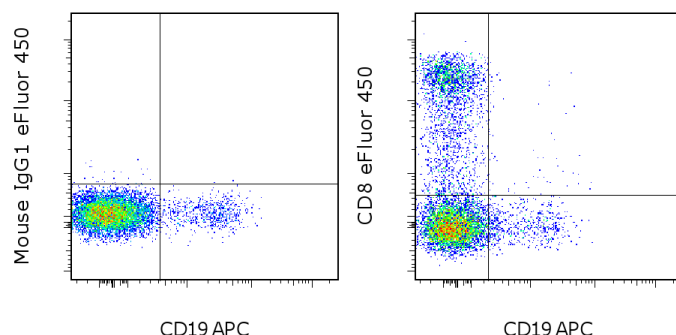


Anti-Human CD8a eFluor® 450

Catalog Number: 48-0087

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 CD19 APC (cat. 17-0199) and Mouse IgG1 K Isotype Control eFluor® 450 (cat. 48-4714) (left) or Anti-Human CD8a eFluor® 450 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD8a eFluor® 450

Catalog Number: 48-0087

Clone: SK1

Concentration: 5 µL (0.125 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.

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 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This SK1 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 10⁵ to 10⁸ cells/test.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

00-4222 Flow Cytometry Staining Buffer

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17-0199 Anti-Human CD19 APC (HIB19)

47-0049 Anti-Human CD4 APC-eFluor® 780 (RPA-T4)

48-4714 Mouse IgG1 K Isotype Control eFluor® 450 (P3.6.2.8.1)