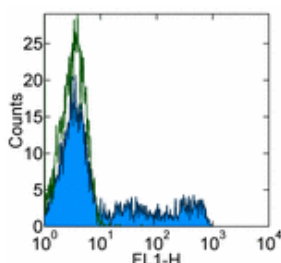


Anti-Human CD8a FITC

Catalog Number: 11-0086

Also Known As: CD8 alpha, leu-2a

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Mouse IgG2a κ Isotype Control FITC (cat. 11-4724) (open histogram) or Anti-Human CD8a FITC (filled histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD8a FITC


REF Catalog Number: 11-0086

Clone: OKT8 (OKT-8)

Concentration: 5 μ L (0.06 μ g)/test


Host/Isotype: Mouse IgG2a

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃, 0.2% BSA

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The OKT8 monoclonal antibody reacts with the human CD8a molecule, an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 β 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. Preliminary testing indicates that OKT8 and two other mouse anti-human CD8 antibodies (clone RPA-T8, Cat. No.14-0088 and clone HIT8a, Cat. No.14-0089) do not compete with each other for binding to human peripheral blood leukocytes by flow cytometric analysis, suggesting that they do not bind to similar epitopes or block each other by steric hindrance.

Applications Reported

For research use only, not for diagnostic or therapeutic use. This OKT8 (OKT-8) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OKT8 (OKT-8) antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 μ L (0.06 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

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Thomas Y, Sosman J, Irigoyen O, Friedman SM, Kung PC, Goldstein G, Chess L. 1980. Functional analysis of human T cell subsets defined by monoclonal antibodies. I. Collaborative T-T interactions in the immunoregulation of B cell differentiation. *J Immunol.* 125(6):2402-8.

Campanelli R, Palermo B, Garbelli S, Mantovani S, Lucchi P, Necker A, Lantelme E, Giachino C. 2002. Human CD8 co-receptor is strictly involved in MHC-peptide tetramer-TCR binding and T cell activation. *Int Immunol.* 14(1):39-44.

Related Products

11-4724 Mouse IgG2a K Isotype Control FITC

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