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Elab Fluor® Red 780 Anti-Human CD8a Antibody[OKT-8]

Catalog Number: E-AB-F1110S

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human Host Mouse

Isotype Mouse IgG2a, κ

Clone No. OKT-8

Isotype Control Elab Fluor® Red 780 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802S]

Conjugation Elab Fluor® Red 780

Conjugation Information Elab Fluor[®] Red 780 is designed to be excited by the Red (627-640 nm) laser and

detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter).

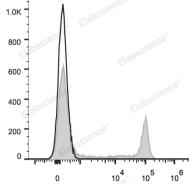
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Human pheripheral blood cells are stained with Elab Fluor[®] Red 780 Anti-Human CD8a Antibody (filled gray histogram). Unstained pheripheral blood cells (blank black histogram)

Preparation & Storage

are used as control.

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD8A;MAL;T-cell surface glycoprotein CD8 alpha chain;T-lymphocyte differentiation

antigen T8/Leu-2

 Uniprot ID
 P01732

 Gene ID
 925

For Research Use Only

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Background

CD8a is a 32-34 kD type I glycoprotein. It forms a homodimer (CD8a/a) or heterodimer (CD8a/b) with CD8b. CD8, also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation and has been shown to play a role in thymic differentiation. Two domains in CD8a are important for function: the extracellular IgSF domain binds the a3 domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

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