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Elab Fluor® Violet 450 Anti-Human CD8a Antibody[OKT-8]

Catalog No.E-AB-F1110QReactivityHumanStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

Antigen Information

Alternate Names T-cell surface glycoprotein CD8 alpha chain, CD8A, T-lymphocyte differentiation antigen

T8/Leu-2,MAL

Uniprot ID P01732 Gene ID 925

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 $\alpha3$ domain of MHC class I and the cytoplasmic CXCP motif

binds the tyrosine kinase p56 Lck.

Product Details

Form Liquid

Size 20Tests/100Tests/100Tests×2

Clone No. OKT-8 Host Mouse

Isotype Mouse IgG2a, κ

Reactivity Human **Application** FCM

Isotype Control Storage BufferElab Fluor[®] Violet 450 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802Q]
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping Biological ice pack at 4 °C **Stability & Storage** Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

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Fluorophore

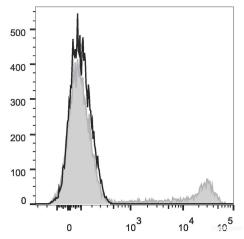
Conjugation: Elab Fluor® Violet 450

Elab Fluor[®] Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

Recommended usage

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.

Product data



Human pheripheral blood cells are stained with Elab Fluor® Violet 450 Anti-Human CD8a Antibody (filled gray histogram). Unstained pheripheral blood cells (blank black histogram) are used as control.

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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