

Elab Fluor® Violet 610 Anti-Human CD8a Antibody[OKT-8]

Catalog Number: E-AB-F1110T

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

Description

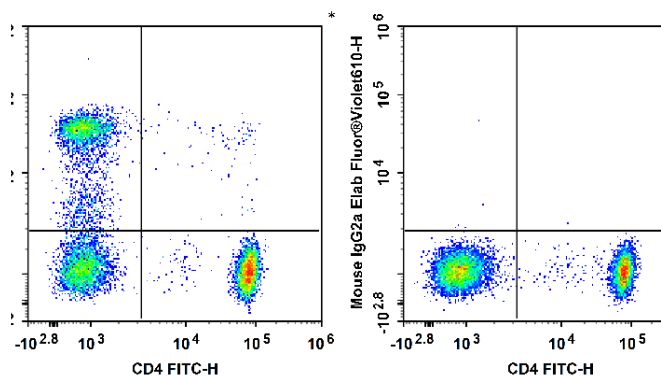
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| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG2a, κ |
| Clone No. | OKT-8 |
| Isotype Control | Elab Fluor® Violet 610 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802T] |
| Conjugation | Elab Fluor® Violet 610 |
| Conjugation Information | Elab Fluor® Violet 610 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 613 nm (e.g., a 615/20 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

Applications

Recommended usage

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| 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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
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Data



Staining of normal human peripheral blood cells with FITC

Anti-Human CD4 Antibody[RPA-T4] and Elab Fluor® Violet 610 Anti-Human CD8a Antibody[OKT-8] (left) or Elab Fluor® Violet 610 Mouse IgG2a, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

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| 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

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| Alternate Names | CD8A;MAL;T-cell surface glycoprotein CD8 alpha chain;T-lymphocyte differentiation antigen T8/Leu-2 |
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Rev. V1.9

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 $\alpha 3$ domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

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