

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1110Q

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® Violet 450 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-

F09802Q1

**Conjugation** Elab Fluor<sup>®</sup> Violet 450

**Conjugation Information** Elab Fluor<sup>®</sup> 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).

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

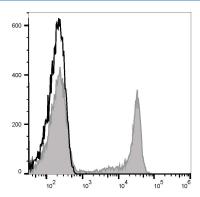
### Applications Recommended usage

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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

## Data



Staining of normal human peripheral blood cells with Elab

Fluor<sup>®</sup> Violet 450 Anti-Human CD8a Antibody[OKT-8] (filled gray histogram) or Elab Fluor<sup>®</sup> Violet 450 Mouse IgG2a, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

# **Preparation & Storage**

**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

# For Research Use Only

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#### Elabscience Bionovation Inc.

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Gene ID Background 925

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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 α3 domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

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