

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 488 Anti-Mouse CD8a Antibody[53-6.7]

Catalog Number: E-AB-F1104L

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

Description

Reactivity Mouse Host Rat

Isotype Rat IgG2a, κ **Clone No.** 53-6.7

Isotype Control Elab Fluor® 488 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832L]

Conjugation Elab Fluor® 488

Conjugation Information Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

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

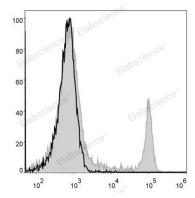
Applications Recommended usage

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

control.



C57BL/6 murine splenocytes are stained with Elab Fluor[®] 488 Anti-Mouse CD8a Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as

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
 P01731

 Gene ID
 12525

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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Background

CD8, also known as Lyt-2, Ly-2, or T8, consists of disulfide-linked α and β chains that form the α (CD8a)/ β (CD8b) heterodimer and α / α homodimer. CD8a is a 34 kD protein that belongs to the immunoglobulin family. The CD8 α / β heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR α / β T cells. CD8 expression on mature T cells is non-overlapping with CD4. The CD8 α / α homodimer is expressed on a subset of γ / δ TCR-bearing T cells, NK cells, intestinal intraepithelial lymphocytes, and lymphoid dendritic cells. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 promotes T cell activation through its association with the TCR complex and protein tyrosine kinase lck.

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