

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Mouse CD8a Antibody[53-6.7]

Catalog Number: E-AB-F1104UM

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ 53-6.7 Clone No.

Isotype Control Elab Fluor® 647 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833M]

Conjugation Elab Fluor®647

Conjugation Information Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

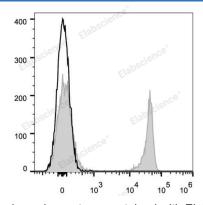
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells in 100 µL volume].

Data



C57BL/6 murine splenocytes are stained with Elab Fluor® 647 Anti-Mouse CD8a Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

Preparation & Storage

Keep as concentrated solution. **Storage**

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 Email:techsupport@elabscience.com

Web:www.elabscience.com

Elabscience Bionovation Inc.



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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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