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# PerCP Anti-Mouse CD8a Antibody[53-6.7]

Catalog Number: E-AB-F1104UF

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

#### **Description**

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ Clone No. 53-6.7

PerCP Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833F] Isotype Control

PerCP Conjugation

**Conjugation Information** PerCP is designed to be excited by the blue laser (488 nm) and detected using an optical

filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

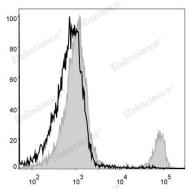
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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/10<sup>6</sup> cells in 100 µL volume].

#### Data



C57BL/6 murine splenocytes are stained with PerCP 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

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### **Elabscience Bionovation Inc.**



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### **Background**

CD8, also known as Lyt-2, Ly-2, or T8, consists of disulfide-linked  $\alpha$  and  $\beta$  chains that form the  $\alpha$ (CD8a)/ $\beta$ (CD8b) heterodimer and  $\alpha$ / $\alpha$  homodimer. CD8a is a 34 kD protein that belongs to the immunoglobulin family. The CD8  $\alpha$ / $\beta$  heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR  $\alpha$ / $\beta$  T cells. CD8 expression on mature T cells is non-overlapping with CD4. The CD8  $\alpha$ / $\alpha$  homodimer is expressed on a subset of  $\gamma$ / $\delta$  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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