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# APC Anti-Mouse CD8a Antibody[2.43]

Catalog Number: E-AB-F9996E

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

#### Description

Reactivity Mouse Host Rat

lsotype Rat lgG2b, κ

**Clone No.** 2.43

Isotype Control APC Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

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

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

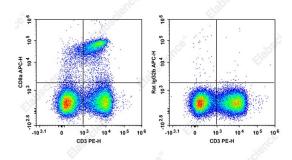
### Applications Recommended usage

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 C57BL/6 murine splenocytes cells with PE Anti-Mouse CD3 Antibody and APC Anti-Mouse CD8a Antibody[2.43] (left) or APC Rat IgG2b, κ Isotype Control (right). Total viable cells 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

Rev. V1.6

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

 Alternate Names
 T8;Lyt2;Ly-2

 Uniprot ID
 P01731

 Gene ID
 12525

# For Research Use Only

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### **Elabscience Bionovation Inc.**

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## Background

Elabscience®

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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