

A Reliable Research Partner in Life Science and Medicine

# APC Anti-Rat CD8a Antibody[OX-8]

Catalog Number: E-AB-F1098UE

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

#### **Description**

Reactivity Rat Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. OX-8

APC Mouse IgG1, k Isotype Control[MOPC-21] [Product E-AB-F09793E] Isotype Control

Conjugation

**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).

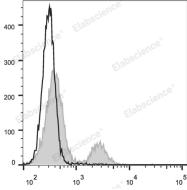
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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  $\mu g/10^6$  cells in 100 µL volume].

#### Data



Rat splenocytes are stained with APC Anti-Rat 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** P07725 Gene ID 24930

### For Research Use Only

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Rev. V1.5

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## Background

Elabscience®

CD8a is a 32 kD glycoprotein also known as T8, Lyt2, Ly-2, and CD8 $\alpha$ . CD8a is a member of the immunoglobulin superfamily expressed on most thymocytes, subset of mature T cells, most NK cells, macrophages, and some activated CD4+ T cells (not resting). CD8a forms heterodimers with the CD8 $\beta$  chain (CD8b) on the surface of most thymocytes, while mature peripheral T lymphocytes express almost exclusively the CD8  $\alpha\beta$  heterodimer. Intestinal intraepithelial lymphocytes express CD8a without CD8 b. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 participates in T cell activation through its association with the T cell receptor complex and protein tyrosine kinase lck (p56lck).