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PE Anti-Rat CD8a Antibody[OX-8]

Catalog Number: E-AB-F1098UD

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

Description

Reactivity Rat Mouse Host

Isotype Mouse IgG1, ĸ

Clone No. OX-8

PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793D] Isotype Control

Conjugation

Conjugation Information PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

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

Applications Recommended usage

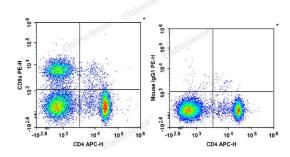
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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



Rat splenocytes are stained with APC Anti-Rat CD4 Antibody and PE Anti-Rat CD8a Antibody (Left). Splenocytes are stained with APC Anti-Rat CD4 Antibody and PE Mouse IgG1, κ Isotype Control (Right).

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

CD8A;MAL;T-cell surface glycoprotein CD8 alpha chain;T-lymphocyte differentiation **Alternate Names**

antigen T8/Leu-2

Uniprot ID P07725

For Research Use Only

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Gene ID **Background** 24930

CD8a is a 32 kD glycoprotein also known as T8, Lyt2, Ly-2, and CD8a. 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 β 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 antigenpresenting 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).

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