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PE/Cyanine 5.5 Anti-Rat CD8a Antibody [OX-8]

Catalog Number: E-AB-F1098UI

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

Description

Reactivity Rat
Host Mouse

Isotype Mouse IgG1, κ

Clone No. OX-8

Isotype Control PE/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793I]

Conjugation PE/Cyanine 5.5

Conjugation Information PE/Cyanine5.5 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 690 nm

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

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

Applications Recommended usage

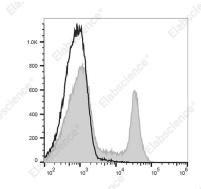
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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 $\mu g/10^6$ cells

in 100 µL volume].

Data



Rat splenocytes are stained with PE/Cyanine5.5 Anti-Rat CD8a Antibody[OX-8] (filled gray histogram) or PE/Cyanine5.5 Mouse IgG1, κ Isotype Control (empty black histogram).

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 lce bag

Antigen Information

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

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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