

Tel:240-252-7368(USA) Fax: 240-252-7376(USA) techsupport@elabscience.com Website: www.elabscience.com

# PE/Cyanine7 Anti-Rat CD8a Antibody[OX-8]

Catalog No.E-AB-F1098HReactivityRatStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

## **Antigen Information**

Alternate Names T-cell surface glycoprotein CD8 alpha chain, CD8A, T-lymphocyte differentiation antigen

T8/Leu-2,MAL

**Uniprot ID** P07725 **Gene ID** 24930

Background CD8a is a 32 kD glycoprotein also known as T8, Lyt2, Ly-2, and CD8α. 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 CD8b. 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).

#### **Product Details**

Form Liquid

Size 50Tests/100Tests/100Tests×2

Clone No. OX-8

Host Mouse
Isotype Mouse IgG1, κ

**Reactivity** Rat

**Application** Rat FCM

Isotype Control PE/Cyanine 7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Shipping** Biological ice pack at 4 °C **Stability & Storage** Keep as concentrated solution.

Store at  $2\sim8^{\circ}\text{C}$  and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

Thank you for your recent purchase.

Focus on your research Service for life science



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### **Fluorophore**

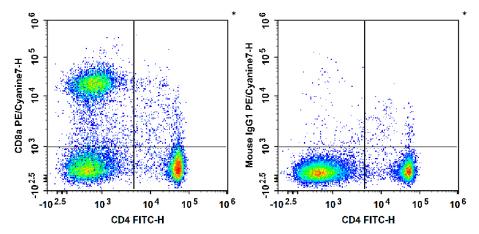
Conjugation: PE/Cyanine7

PE/Cyanine7 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 775 nm (e.g., a 780/60 nm bandpass filter).

## Recommended usage

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.

#### **Product data**



Rat splenocytes are stained with FITC Anti-Rat CD4(domain 1) Antibody and PE/Cyanine7 Anti-Rat CD8a Antibody (Left). Splenocytes are stained with FITC Anti-Rat CD4(domain 1) Antibody and PE/Cyanine7 Mouse IgG1, κ Isotype Control (Right).

#### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? <a href="https://www.elabscience.com/List-detail-459742.html">https://www.elabscience.com/List-detail-459742.html</a>