

## Elab Fluor® 488 Anti-Rat CD8a Antibody[OX-8]

<b>Catalog No.</b>	E-AB-F1098L	<b>Reactivity</b>	Rat
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM

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

### Antigen Information

<b>Alternate Names</b>	T-cell surface glycoprotein CD8 alpha chain,CD8A,T-lymphocyte differentiation antigen T8/Leu-2,MAL
<b>Uniprot ID</b>	P07725
<b>Background</b>	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 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

<b>Form</b>	Liquid
<b>Size</b>	50Tests/100Tests/100Tests $\times$ 2
<b>Clone No.</b>	OX-8
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Reactivity</b>	Rat
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">Elab Fluor® 488 Mouse IgG1, <math>\kappa</math> Isotype Control[MOPC-21] [Product E-AB-F09792L]</a>
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
<b>Shipping</b>	Biological ice pack at 4 °C
<b>Stability &amp; Storage</b>	Keep as concentrated solution. Store at 2~8°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.  
 If you would like to learn more about antibodies,please visit [www.elabscience.com](http://www.elabscience.com).

**Focus on your research  
 Service for life science**

Applications:Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

## Fluorophore

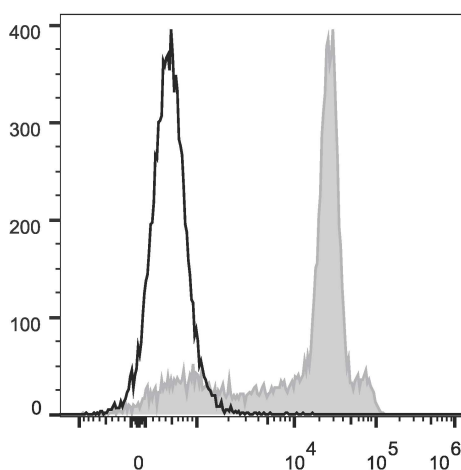
**Conjugation:** Elab Fluor® 488

Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 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 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL 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 Elab Fluor® 488 Anti-Rat CD8a Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

## Related Information

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

### For Research Use Only

Thank you for your recent purchase.

If you would like to learn more about antibodies, please visit [www.elabscience.com](http://www.elabscience.com).

**Focus on your research  
Service for life science**

Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFCM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation