

## AF/LE Purified Anti-Mouse CD8a Antibody[53-6.7]

<b>Catalog No.</b>	E-AB-F11040	<b>Reactivity</b>	Mouse
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM,Block

**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>	P01731
<b>Background</b>	CD8, also known as Lyt-2, Ly-2, or T8, consists of disulfide-linked $\alpha$ and $\beta$ chains that form the $\alpha$ (CD8a)/ $\beta$ (CD8b) heterodimer and $\alpha/\alpha$ homodimer. CD8a is a 34 kD protein that belongs to the immunoglobulin family. The CD8 $\alpha/\beta$ heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR $\alpha/\beta$ T cells. CD8 expression on mature T cells is non-overlapping with CD4. The CD8 $\alpha/\alpha$ homodimer is expressed on a subset of $\gamma/\delta$ TCR-bearing T cells, NK cells, intestinal intraepithelial lymphocytes, and lymphoid dendritic cells. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 promotes T cell activation through its association with the TCR complex and protein tyrosine kinase lck.

### Product Details

<b>Form</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	50 $\mu$ g/500 $\mu$ g/1mg
<b>Clone No.</b>	53-6.7
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, $\kappa$
<b>Reactivity</b>	Mouse
<b>Application</b>	FCM,Block
<b>Isotype Control</b>	<a href="#">AF/LE Purified Rat IgG2a, <math>\kappa</math> Isotype Control[2A3]</a> [ <a href="#">Product E-AB-F098330</a> ]
<b>Storage Buffer</b>	0.2 $\mu$ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
<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

## Fluorophore

**Conjugation:** None (Purified antibody-Azide Free/Low endotoxin)

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in  $100 \mu\text{L}$  volume or  $100 \mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## 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>