

## Purified Anti-Mouse CD8a Antibody[53-6.7]

Catalog Number: GF1104A

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

### Description

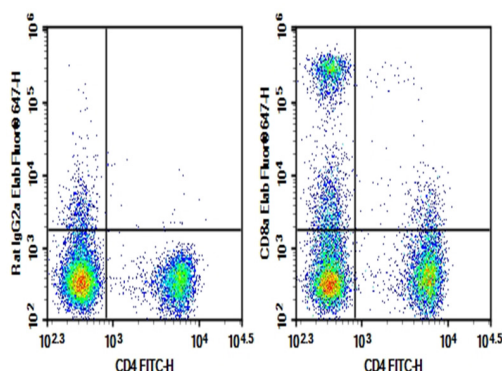
Reactivity	Mouse
Immunogen	Recombinant Mouse CD8a protein
Host	Rat
Isotype	Rat IgG2a, $\kappa$
Clone	53-6.7
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

FCM	2 $\mu\text{g/mL}$ ( $0.5 \times 10^6$ - $1 \times 10^6$ cells)
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### Data



C57/BL6 Mouse splenocytes were stained with 0.2  $\mu\text{g}$  AF/LE Purified Anti-Mouse CD8a Antibody[53-6.7] (Right) and 0.2  $\mu\text{g}$  Rat IgG2a,  $\kappa$  Isotype Control (Left), followed by Elab

Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Mouse CD4 FITC-conjugated

Monoclonal Antibody.

### Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

### Background

CD8, also known as Lyt-2, Ly-2, or T8, consists of disulfide-linked  $\alpha$  and  $\beta$  chains that form the  $\alpha(\text{CD8a})/\beta(\text{CD8b})$  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.