

## Elab Bright™ Violet 650 Anti-Mouse CD8a Antibody[53-6.7]

Catalog Number: E-AB-F1104U

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

### Description

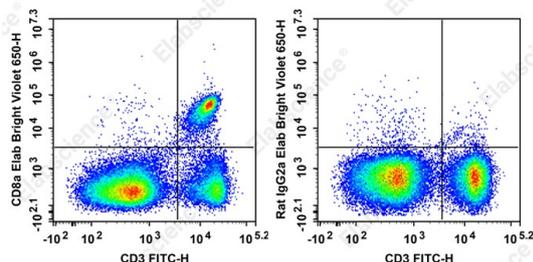
Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	53-6.7
Isotype Control	Elab Bright™ Violet 650 Rat IgG2a, κ Isotype Control[R35-95] [Product AN00822U]
Conjugation	Elab Bright™ Violet 650
Conjugation Information	Elab Bright™ Violet 650 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 650 nm (e.g., a 660/20 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. <b>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).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Staining of C57BL/6 murine splenocytes cells with BV650 Anti-Mouse CD8a Antibody and FITC Anti-Mouse CD3 Antibody[P84] (left) or BV650 Rat IgG2a, κ Isotype Control (right). Total viable cells were used for analysis.

### Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

### Antigen Information

Alternate Names	T8;Lyt2;Ly-2
Uniprot ID	P01731
Gene ID	12525

### For Research Use Only

## Background

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.