

## PE/Cyanine7 Anti-Mouse CD8b.2 Antibody[53-5.8]

Catalog Number: AN00564H

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

### Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG1, $\kappa$
Clone No.	53-5.8
Isotype Control	PE/Cyanine7 Rat IgG1, $\kappa$ Isotype Control[HRPN] [Product E-AB-F09822H]
Conjugation	PE/Cyanine 7
Conjugation Information	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).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

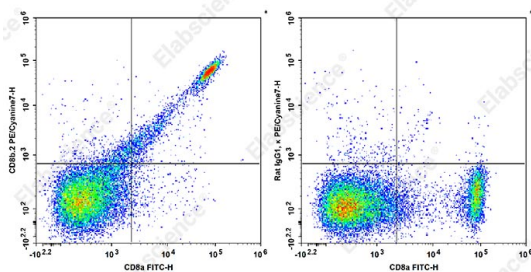
### Applications

FCM

### 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.

### Data



Staining of C57BL/6 murine splenocytes cells with FITC Anti-Mouse CD8a Antibody and PE/Cyanine7 Anti-Mouse CD8b.2 Antibody[53-5.8] (left) or PE/Cyanine7 Rat IgG1,  $\kappa$  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 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

### Antigen Information

Alternate Names	Lyt-3.2;Ly-3.2
Uniprot ID	P10300
Gene ID	12526

### For Research Use Only

## Background

CD8b is the 32 kD  $\beta$  chain of CD8, also known as Lyt-3.2 or Ly-3.2. It is a member of the Ig superfamily expressed as a heterodimer with the CD8 $\alpha$  chain on a subset of MHC class I-restricted T cells and most thymocytes. CD8 is a co-receptor for the TCR complex involved in T cell activation. The antibody 53-5.8 is specific for Ly-3.2 and has low reactivity with Ly-3.1.