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# 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 Rat Host

Isotype Rat IgG1, ĸ Clone No. 53-5.8

PE/Cyanine7 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822H] Isotype Control

Conjugation

**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).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

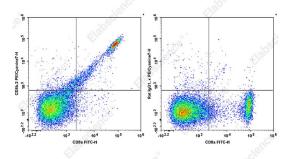
#### **Applications** Recommended usage

**FCM** 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.

#### **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,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 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

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### **Elabscience Bionovation Inc.**



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# **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 lg 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.

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