

## Elab Fluor® Violet 450 Anti-Mouse CD5 Antibody[53-7.3]

<b>Catalog No.</b>	E-AB-F1185UQ	<b>Reactivity</b>	Mouse
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM

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

### Antigen Information

<b>Alternate Names</b>	Ly-1,Lyt-1,Lymphocyte antigen 1,CD5,Cd5
<b>Uniprot ID</b>	P13379
<b>Gene ID</b>	12507
<b>Background</b>	CD5 is a 67 kD protein, also known as Lyt-1, Ly-1, T1, Tp67, or Ly-12. It is a member of the scavenger receptor cysteine-rich protein superfamily (SRCR) and primarily expressed on thymocytes, T cells, and B-1 cells. Although mature $\alpha/\beta$ T cells express high levels of CD5, very few $\gamma/\delta$ T cells express this antigen. The interaction of CD5 with CD72, gp35-37, TCR, or BCR is involved in T and B cell activation.

### Product Details

<b>Form</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	25 $\mu$ g/100 $\mu$ g
<b>Clone No.</b>	53-7.3
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, $\kappa$
<b>Reactivity</b>	Mouse
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">Elab Fluor® Violet 450 Rat IgG2a, <math>\kappa</math> Isotype Control[2A3] [Product E-AB-F09833Q]</a>
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
<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

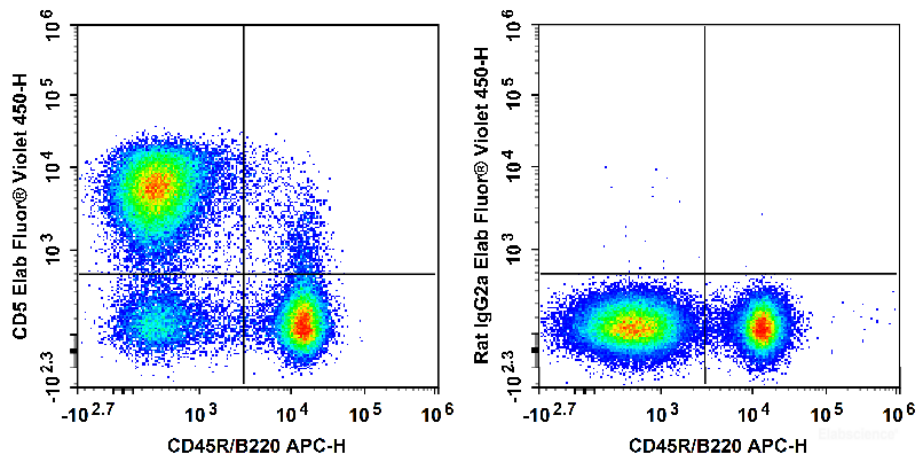
**Conjugation:** Elab Fluor® Violet 450

Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10<sup>6</sup> cells in 100 µL volume].

## Product data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD45R/B220 Antibody and Elab Fluor® Violet 450 Anti-Mouse CD5 Antibody (Left). Splenocytes are stained with APC Anti-Mouse CD45R/B220 Antibody and Elab Fluor® Violet 450 Rat IgG2a, κ Isotype Control (Right).

## 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>