

Biotin Anti-Mouse CD5 Antibody[53-7.3]

Catalog Number: E-AB-F1185B

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

Description

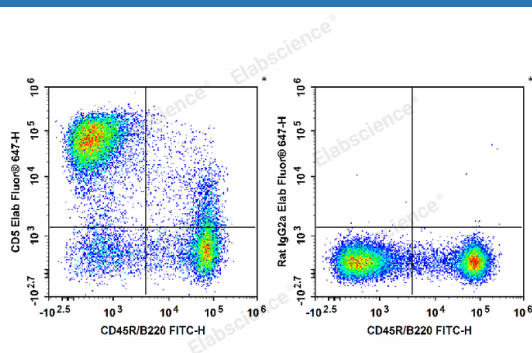
Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	53-7.3
Isotype Control	Biotin Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833B]
Conjugation	Biotin
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Applications

Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
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Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD45R/B220 Antibody and Biotin Anti-Mouse CD5

Antibody followed by Streptavidin-Elab Fluor® 647 (Left). Splenocytes are stained with FITC Anti-Mouse CD45R/B220 Antibody and Biotin Rat IgG2a, κ Isotype Control followed by Streptavidin-Elab Fluor® 647 (Right).

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at $2-8^{\circ}\text{C}$ for 12 months. Do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	CD5;Cd5;Ly-1;Lymphocyte antigen 1;Lyt-1
Uniprot ID	P13379
Gene ID	12507

For Research Use Only

Background

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 α/β T cells express high levels of CD5, very few γ/δ T cells express this antigen. The interaction of CD5 with CD72, gp35-37, TCR, or BCR is involved in T and B cell activation.

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