

Elab Fluor® 700 Anti-Human CD235 Antibody[HIR2]

Catalog Number: E-AB-F1080M1

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

Description

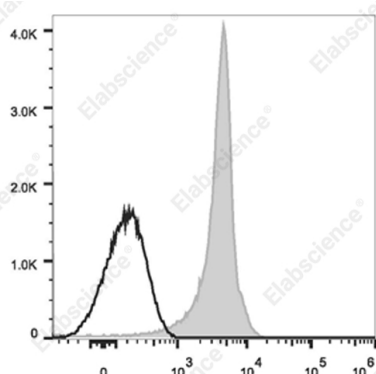
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG2b, κ
Clone No.	HIR2
Isotype Control	Elab Fluor® 700 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812M1]
Conjugation	Elab Fluor® 700
Conjugation Information	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 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. 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.
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Data



Staining of Human peripheral red blood cells with Elab Fluor

® 700 Anti-Human CD235 Antibody[HIR2] (filled gray histogram) or Elab Fluor® 700 Mouse IgG2b,κ Isotype Control (empty black histogram). Cells in the erythrocytes gate 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	CD235a/b;GYPA/B;Glycophorin-A/B;MN sialoglycoprotein;PAS-2/3;SS-active sialoglycoprotein;Sialoglycoprotein alpha/delta
Uniprot ID	P02724;P06028;

For Research Use Only

Gene ID

2993;2994

Background

The HIR2 antibody reacts with a common epitope of glycoprotein A (CD235a) and glycoprotein B (CD235b). Glycoprotein A is the major sialoglycoprotein expressed on red blood cell membrane, and erythroid precursors. Glycoprotein A shares strong homology with glycoprotein B. The HIR2 antibody recognizes human RBCs and erythroid precursors and is useful in erythroid cell development studies. Mature, non-nucleated red blood cells are characteristically glycoprotein A positive, but CD45 and CD71 negative.