

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Human CD235 Antibody[HIR2]

Catalog Number: E-AB-F1080M

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® 647 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812M]

Conjugation Elab Fluor® 647

Conjugation Information Elab Fluor[®] 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

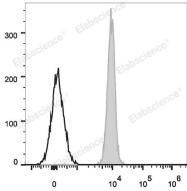
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Human peripheral blood red blood cells are stained with Elab

Fluor $^{\!(\!0\!)}$ 647 Anti-Human CD235 Antibody (filled gray histogram). Unstained red blood cells (empty black

histogram) are used as control.

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 CD235a/b;GYPA/B;Glycophorin-A/B;MN sialoglycoprotein;PAS-2/3;SS-active

sialoglycoprotein; Sialoglycoprotein alpha/delta

 Uniprot ID
 P02724;P06028

 Gene ID
 2993;2994

For Research Use Only

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Background

The HIR2 antibody reacts with a common epitope of glycophorin A (CD235a) and glycophorin B (CD235b). Glycophorin A is the major sialoglycoprotein expressed on red blood cell membrane, and erythroid precursors. Glycophorin A shares strong homology with glycophorin 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 glycophorin A positive, but CD45 and CD71 negative.

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