

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

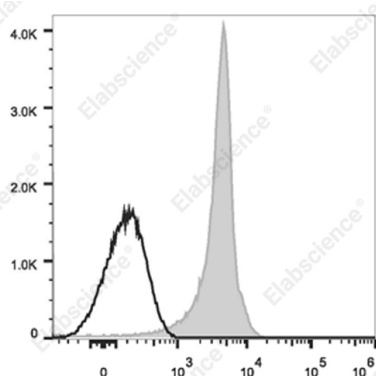
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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity | Human |
| Host | Mouse |
| Isotype | 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% sodium azide and 1% BSA. |

Applications

Recommended usage

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| 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

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| 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

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|-----------------|------------------------------------------------------------------------------------------------------------------------|
| 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

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.