

Elab Fluor® 647 Anti-Human CD161 Antibody[HP-3G10]

Catalog Number: E-AB-F1155M

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

Description

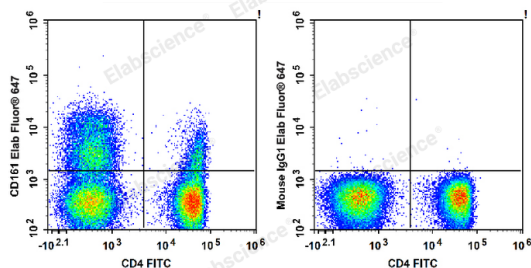
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| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | HP-3G10 |
| Isotype Control | Elab Fluor® 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M] |
| Conjugation | Elab Fluor® 647 |
| Conjugation Information | 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 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.

Data



Human peripheral blood lymphocytes are stained with Elab Fluor® 647 Anti-Human CD161 Antibody and FITC Anti-Human CD4 Antibody (Left). Lymphocytes stained with FITC

Anti-Human CD4 Antibody and Elab Fluor® 647 Mouse IgG1, κ Isotype Control (Right) are used as control.

Preparation & Storage

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

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|------------------------|--------------------------------------|
| Alternate Names | NKRP1A;CLEC5B;HNKR-P1a;KLRB1;NKR-P1A |
| Uniprot ID | Q12918 |
| Gene ID | 3820 |

For Research Use Only

Background

CD161 is a type II transmembrane glycoprotein, also known as NKR-P1A, that is expressed as a 40-44 kD homodimer. It is a member of the C-type lectin superfamily. CD161 is expressed on a majority of NK cells, NKT cells, and subsets of peripheral T cells and CD3+ thymocytes. It has been reported that Th17 cells are a subpopulation of CD4+CD161+CCR6+ cells. While the biological function of CD161 is not clear, it has been suggested to serve either as a stimulatory receptor or to inhibit NK cell-mediated cytotoxicity and cytokine production. LLT-1 (lectin-like transcript-1, also named as osteoclast inhibitory lectin or CLEC2D) is the ligand of CD161.