

Elab Fluor® 700 Anti-Human/Monkey CD20 Antibody[2H7]

Catalog Number: E-AB-F1212M1

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

Description

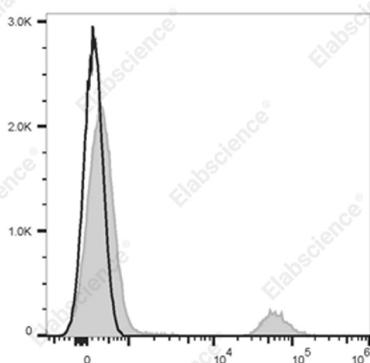
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|--------------------------------|--|
| Reactivity | Human;Rhesus;Cynomolgus |
| Host | Mouse |
| Isotype | Mouse IgG2b, κ |
| Clone No. | 2H7 |
| Isotype Control | Elab Fluor® 700 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812M1] |
| 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

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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 normal human peripheral blood cells with Elab Fluor® 700 Anti-Human/Monkey CD20 Antibody[2H7] (filled gray histogram) or Elab Fluor® 700 Mouse IgG2b, κ Isotype Control (empty black histogram). Cells in the lymphocytes 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 24 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag |

Antigen Information

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|------------------------|---|
| Alternate Names | B-lymphocyte surface antigen B1;Bp35;Leukocyte surface antigen Leu-16;MS4A1 |
| Uniprot ID | P11836 |
| Gene ID | 931 |

For Research Use Only

Background

CD20 is a 33-37 kD, four transmembrane spanning protein, also known as B1 and Bp35. CD20 is expressed on pre-B-cells, resting and activated B cells (not plasma cells), some follicular dendritic cells, and at low levels on a T cell subset. CD20 is heavily phosphorylated on activated B cells and malignant B cells. Homo-oligomeric complexes of CD20 are thought to form Ca²⁺ conductive ion channels in the plasma membrane of B cells. The CD20 molecule is involved in B-cell activation and is associated with various Src family kinases (Lyn, Lck, Fyn). It exists in a complex with MHC class I and II, CD53, CD81, and CD82.