

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Red 780 Anti-Human CD20 Antibody[BCA/B20]

Catalog Number: E-AB-F1045S

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

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Reactivity Human Host Mouse

Isotype Mouse IgG2a, κ **Clone No.** BCA/B20

Isotype Control Elab Fluor[®] Red 780 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802S]

Conjugation Elab Fluor® Red 780

Conjugation Information Elab Fluor[®] Red 780 is designed to be excited by the Red (627-640 nm) laser and

detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter).

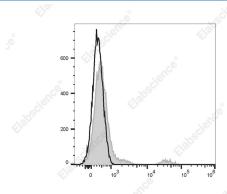
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 lymphocytes are stained with Elab

Fluor[®] Red 780 Anti-Human CD20 Antibody[BCA/B20] (filled gray histogram) or Elab Fluor[®] Red 780 Mouse IgG2a, κ Isotype Control (empty black histogram).

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8 $^{\circ}\text{C}$ for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names B-lymphocyte antigen CD20;B-lymphocyte surface antigen B1;Bp35;CD20;Leukocyte

surface antigen Leu-16;MS4A1;Membrane-spanning 4-domains subfamily Amember 1

 Uniprot ID
 P11836

 Gene ID
 931

For Research Use Only

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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.

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