

A Reliable Research Partner in Life Science and Medicine

PE/Elab Fluor® 594 Anti-Human CD20 Antibody[BCA/B20]

Catalog Number: E-AB-F1045P

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG2a, ĸ Clone No. BCA/B20

Isotype Control PE/Elab Fluor[®] 594 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802P]

Conjugation PE/Elab Fluor®594

Conjugation Information PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm

(e.g., a 610/20 nm bandpass filter).

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

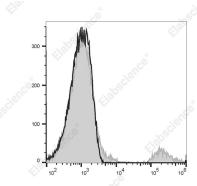
Applications Recommended usage

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

PE/Elab Fluor® 594 Anti-Human CD20 Antibody[BCA/B20] (filled gray histogram) or PE/Elab Fluor® 594 Mouse IgG2a, κ Isotype Control (empty black histogram).

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

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

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

Uniprot ID P11836

For Research Use Only

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Elabscience Bionovation Inc.



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Gene ID **Background** 931

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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