

**Elab Fluor® Violet 450 Anti-Human CD20 Antibody[BCA/B20]**

Catalog Number: E-AB-F1045Q

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

Reactivity	Human
Host	Mouse
Isotype	Mouse IgG2a, $\kappa$
Clone No.	BCA/B20
Isotype Control	Elab Fluor® Violet 450 Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09802Q]
Conjugation	Elab Fluor® Violet 450
Conjugation Information	Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Applications****Recommended usage**

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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**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**

Alternate Names	B-lymphocyte antigen CD20;B-lymphocyte surface antigen B1;Bp35;CD20;Leukocyte surface antigen Leu-16;MS4A1;Membrane-spanning 4-domains subfamily A member 1
Uniprot ID	P11836
Gene ID	931
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 $\text{Ca}^{2+}$ 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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