

## CD20 monoclonal antibody

Catalog: MB65762

Host: Mouse

Reactivity: Human

### BackGround:

B-lymphocyte antigen CD20 (also known as MS4A1; Membrane-spanning 4-domains subfamily A member 1) is a cell surface phosphoprotein involved in the regulation of B cell activation and proliferation. It is commonly used as a marker to identify B cells and is expressed throughout B cell development, up until their differentiation into plasma cells. CD20 has no known ligand, and its expression and function are largely conserved between human and mouse. Evidence suggests that CD20 is necessary for store operated calcium (SOC) entry, which leads to elevated cytoplasmic calcium levels required for B cell activation. Anti-CD20 antibody immunotherapy depletes B cells by activation of the innate monocytic network and is a common treatment for B cell lymphomas, leukemias, and autoimmune diseases.

### Product:

Mouse IgG2a. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

### Molecular Weight:

~ 33 kDa

### Swiss-Prot:

P11836

### Purification&Purity:

The monoclonal antibody was affinity-purified from

mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF (1/50 - 1/200)

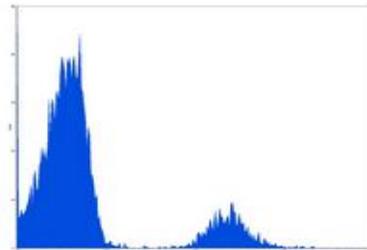
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes human CD20

### DATA:



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD20 Antibody, followed by anti-mouse IgG PE.

### Note:

For research use only, not for use in diagnostic procedure.

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