

## CD20 Antibody, mAb, Mouse

Cat. No.	Name	Size
V03601	CD20 Antibody (M5C49), mAb, Mouse	*

**Note**                    \* Available in multiple package sizes: 100 µg, 1 mg (or more). GenScript can customize each product per customer's request including product size, buffer components, etc. GenScript can also provide conjugated antibody per customer's request with Biotin, FITC, PE and APC.

**Specificity**            Human CD20

**Alternative Name**    B1 and Bp35

**Isotype**                IgG1

**Clone**                 M5C49

**Application**         Flow cytometry

**Recommended Usage**    It is recommended that the reagent be titrated for optimal performance for each application. Each lot of the antibodies undergoes quality control test by flow cytometric analysis.

**Preparation**            Protein A/G affinity column

**Concentration**        Lot-specific. Please check your CoA to find the concentration.

**Formulation**            1) PBS, pH 7.4, containing 0.03% Proclin 300  
 2) 50 mM Na-citrate, 150 mM NaCl, pH7.0, containing 0.03% Proclin 300 \*  
 \*: For new batch since 09/01/2018, please refer to COA.

**Storage**                The antibody should be stored for up to three months at 2-8°C or for up to three years at -20°C or below. Avoid repeated freezing and thawing cycles.

**Background**            CD20 is a non-glycosylated transmembrane protein. It is expressed exclusively on the surface of B cells, such as pre-B-cells, resting and

activated B cells, many malignant B cells, but not plasma cells. The CD20 molecule participates in B-cell activation and enables optimal B-cell immune response against T-independent antigens.

Fluorescent Dyes	Excitation Source	Excitation Max	Emission Max
FITC	Blue 488 nm	494 nm	520 nm
PE	Blue 488 nm, Green 532 nm, Yellow/Green 561 nm	496 nm	578 nm
APC	Red 633 nm	650 nm	660 nm

### Data Demonstration

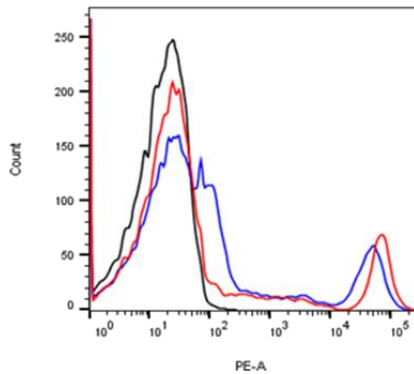


Figure 1. Human whole blood after red blood cell lysis were stained with CD20 Antibody (M5C49), mAb, Mouse (GenScript, V03601; red curve) or with a negative control (black curve), or with a positive antibody (blue curve) followed by R-PE conjugated anti-mouse IgG in flow cytometric analysis.

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