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**Product name:** Anti-Human CD20 Monoclonal Antibody(Biotin  
Conjugated)

**Catalog:** DL20641F

**Synonyms:** B-lymphocyte antigen CD20, MS4A1, B-lymphocyte  
surface antigen B1, Bp35, Leukocyte surface antigen  
Leu-16, Membrane-spanning 4-domains subfamily A  
member 1, MS4A1, CD20

**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  $Ca^{2+}$  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.

**Form:** Liquid

**Isotype:** Mouse IgG2a,  $\kappa$

**Size:** 25  $\mu$ g/100  $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Biotin

**SwissProt:** P11836

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0$   $\mu$ g per  $10^6$  cells in 100  $\mu$ l volume or 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.