

Manufacturer/Supplier:

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Product name: Purified Anti-Human CD20 Monoclonal Antibody

Catalog: DL20640F

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 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.

Form: Liquid

Isotype: Mouse IgG2a, κ

Size: 25 μ g/100 μ g

Host: Mouse

Reactivity: Human

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: Unconjugated

SwissProt: P11836

Buffer: PBS with 0.05% Proclin300

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 μ l volume or 100 μ 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. Do not freeze.

This product is guaranteed up to one year from purchase.