

Biotinylated Recombinant Human CD20/MS4A1 Protein

Catalog No.: RP00584BLQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	931	P11836-1

Tags

C-His&Avi

Synonyms

MS4A1; CD20; MS4A-1; B1; Bp35; CD20 receptor; CD20S7; CVID5; LEU-16; Ly-44; MS4A2; S7

Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Supplied as 0.22 μm filtered solution in 20 mM PB, 10% Glycerol (pH 7.0).

Reconstitution

Background

B-lymphocyte antigen CD20 or CD20 is an activated-glycosylated phosphoprotein expressed on the surface of all B-cells beginning at the pro-B phase (CD45R , CD117) and progressively increasing in concentration until maturity. CD20 is the target of the monoclonal antibodies rituximab, ocrelizumab, obinutuzumab, ofatumumab, ibritumomab tiuxetan, tositumomab, and ublituximab, which are all active agents in the treatment of all B cell lymphomas, leukemias, and B cell-mediated autoimmune diseases.

Basic Information

Description

Biotinylated Recombinant Human CD20/MS4A1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ile141-Ser188) of Human CD20/MS4A1 (Accession #P11836-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

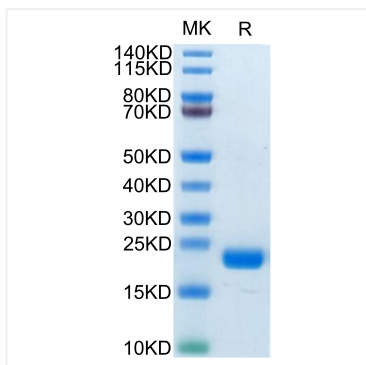
Storage

Store at ≤-70°C, stable for 12 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

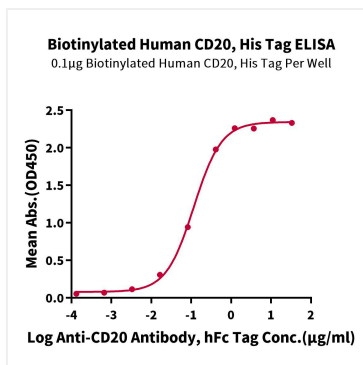
Contact

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Validation Data



Biotinylated Human CD20 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Immobilized Biotinylated Human CD20, His Tag at 1 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Anti-CD20 Antibody, hFc Tag with the EC_{50} of 0.12 µg/mL determined by ELISA.