

CD20 Protein, Human, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	MS4A-1;CD20;B-lymphocyte surface antigen B1;Membrane-spanning 4-domains subfamily A member 11;Leukocyte surface antigen Leu-16;Bp35;MS4A1
Protein Construction:	Ile141-Ser188
Species:	Human
Expression Host:	E. coli
Accession:	P11836-1
Molecular Weight:	16.8 kDa (predicted) same as Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Biotinylated Human CD20, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD20 Antibody, hFc Tag with the EC50 of 87.3ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in 20 mM PB , 10% Glycerol (pH 7.0).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Reference

Ma D, et al. Radioimmunotherapy for model B cell malignancies using 90Y-labeled anti-CD19 and anti-CD20 monoclonal antibodies[J]. Leukemia, 2002, 16(1):60-66.

Jager U, et al. Rituximab serum concentrations during immuno-chemotherapy of follicular lymphoma correlate with patient gender, bone marrow infiltration and clinical response[J]. Haematologica, 2012, 97(9):1431-1438.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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