

Rev07
Update: Aug,11,2025

DATASHEET

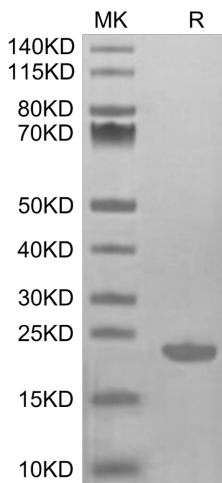
CD20, His & Avi, Human

Cat. No.: Z03630

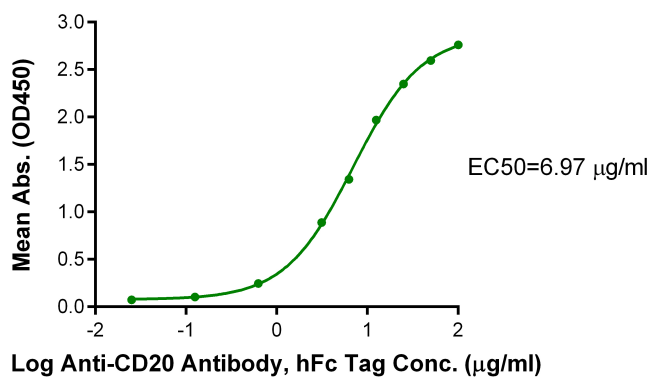
Product Introduction

Species	Human
Protein Construction	CD20 (Ile141-Ser188) Accession # P11836 Poly-His Avi N-term C-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	≤ 1 EU/μg of protein by LAL method
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD20, His & Avi, Human at 5μg/ml (100μl/well) on the plate can bind Anti-CD20 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	E. coli
Theoretical Molecular Weight	16.8 kDa
Apparent Molecular Weight	16.8 kDa, on Bis-Tris PAGE
Formulation	Supplied as 0.22μm filtered solution in 20mM PB, 10% Glycerol, 0.4M Urea, 1mM GSH, 0.1mM GSSG (pH 7.0).
Concentration	Please refer to the COA for the specific lot.
Storage & Stability	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

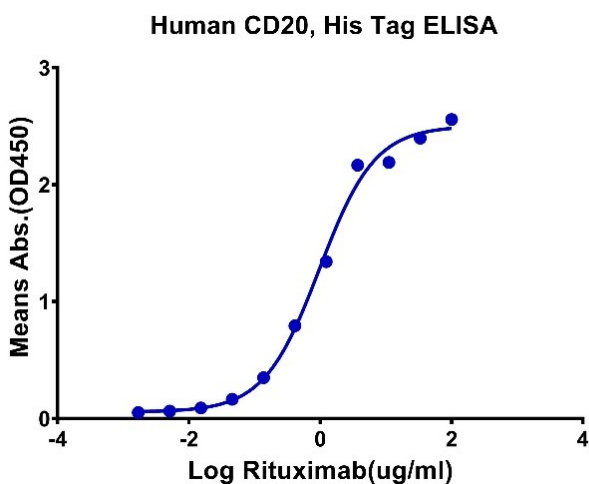
Examples



CD20, His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD20, His & Avi, Human, His Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-CD20 Antibody, hFc Tag with the EC₅₀ of 6.97 µg/ml determined by ELISA.



Immobilized Human CD20 at 1 µg/ml (100 µl/Well), dose response curve for rituximab with the EC₅₀ of 0.8 µg/ml determined by ELISA.

Background

Target 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.

Synonyms : MS4A1; CD20; MS4A-1; B-lymphocyte surface antigen B1; Bp35; Leukocyte surface antigen Leu-16; Membrane-spanning 4-domains subfamily A member 11

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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