

Biotinylated Human CD20 Protein-VLP



Cat. No. CD2-HM122B

Description

Source	Recombinant Biotinylated Human CD20 Protein-VLP is expressed from Expi293. It contains Met1-Pro297.
Accession	P11836-1
Molecular Weight	The protein has a predicted MW of 34.3 kDa.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

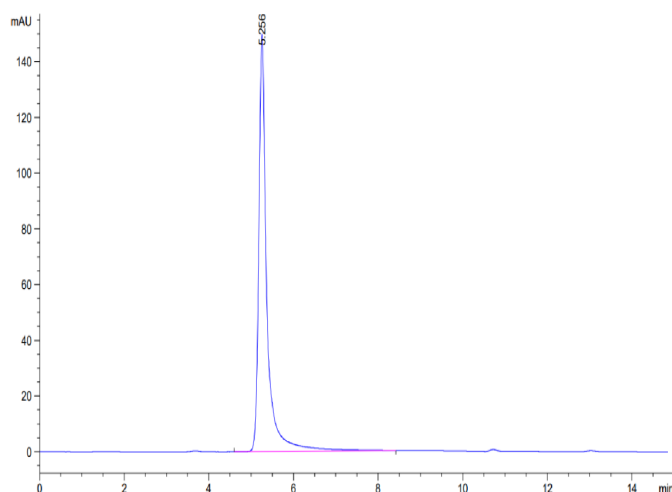
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. Notice: If you need it for immunization, Do Not use any adjuvant.
Reconstitution	Centrifuge tubes before opening. Redissolve with distilled water to 100µl.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

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.

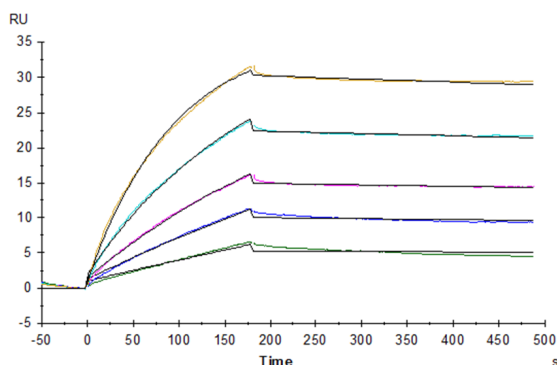
Assay Data

SEC-HPLC



The purity of Biotinylated Human CD20 VLP is greater than 95% as determined by SEC-HPLC.

SPR Data



Biotinylated Human CD20 VLP, captured on CM5 Chip via streptavidin can bind Anti-CD20 Antibody, hFc with an affinity constant of 0.68 nM as determined in SPR assay (Biacore T200).