Human CD200 R1/CRTR2 Protein

Cat. No. CD2-HM2R1

Description

Source	Recombinant Human CD200 R1/CRTR2 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Ala27-Leu266.
Accession	AAQ19772
Molecular Weight	The protein has a predicted MW of 53.7 kDa. Due to glycosylation, the protein migrates to 75-105 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

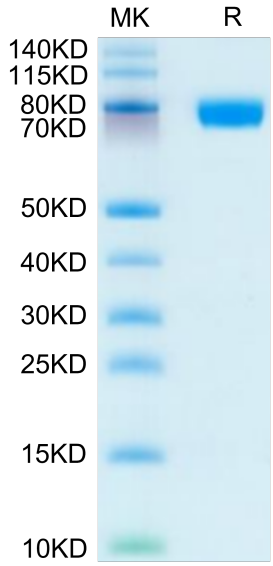
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD200Fc, a chimeric molecule including the extracellular domain of CD200 and a murine IgG2a Fc region, regulates immune responses following engagement of a cell surface receptor, CD200R, expressed on cells of the myeloid and T cell lineage. A recent report focused attention on a family of CD200Rs, but concluded that only one member used CD200 as its ligand.

Assay Data

Bis-Tris PAGE



Human CD200 R1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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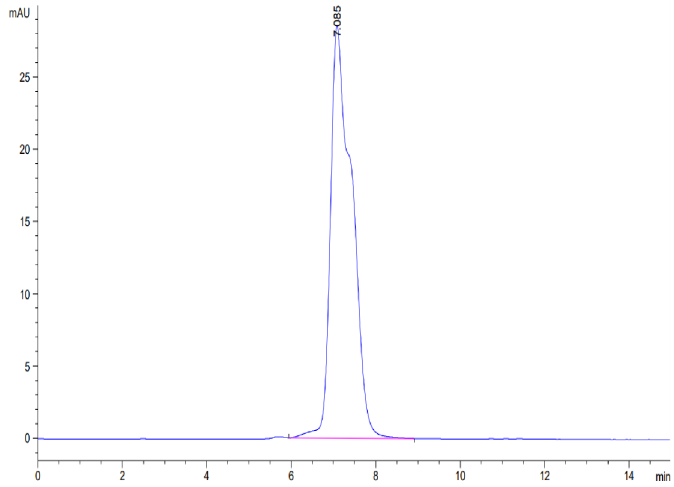
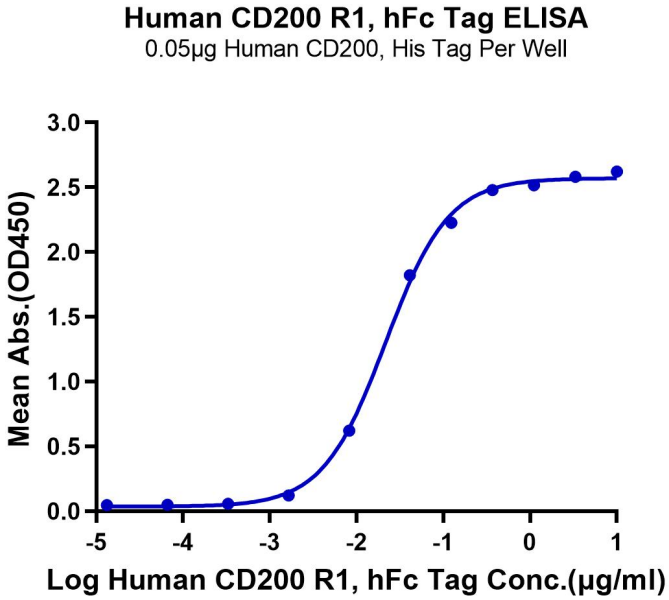
Assay Data



The purity of Human CD200 R1 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human CD200, His Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Human CD200 R1, hFc Tag with the EC50 21.6ng/ml determined by ELISA.