Biotinylated Human CD200/OX-2 Protein, Ultra Low Endotoxin

Cat. No. CD2-HM420B-UL

Description

Source	Recombinant Biotinylated Human CD200/OX-2 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gln31-Gly232.
Accession	P41217-1
Molecular Weight	The protein has a predicted MW of 25.35 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

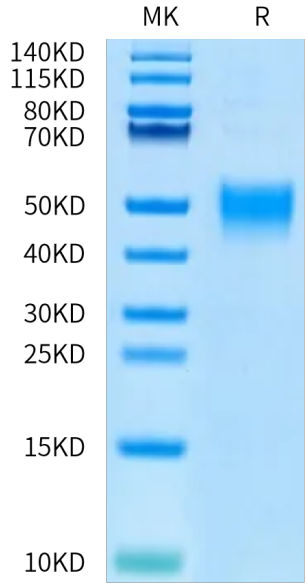
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

CD200 and its receptors are highly expressed in the lung, on epithelial cells and leukocytes, and emerging evidence links dysregulation of the CD200 pathway with asthma. Moreover, pharmacological modulation of CD200 receptors was shown to improve clinical and inflammatory outcomes of preclinical asthma models.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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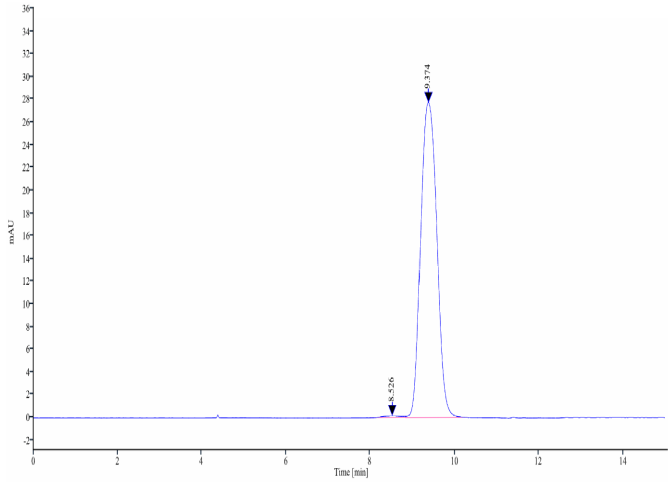
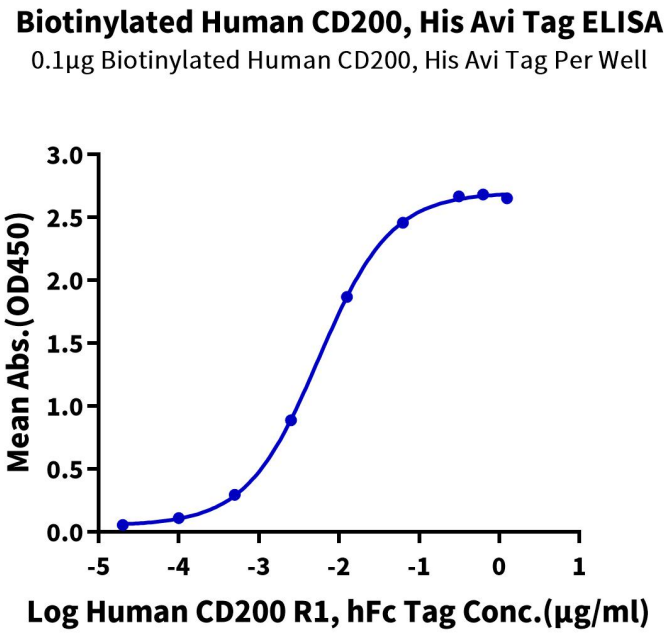
Assay Data



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

ELISA Data



Immobilized Biotinylated Human CD200, His Avi Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human CD200 R1, hFc Tag with the EC50 of 5.5ng/ml determined by ELISA.