

Biotinylated Human CD200/OX-2 Protein

Cat. No. CD2-HM420B



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 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

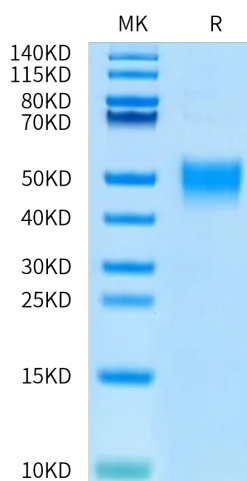
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

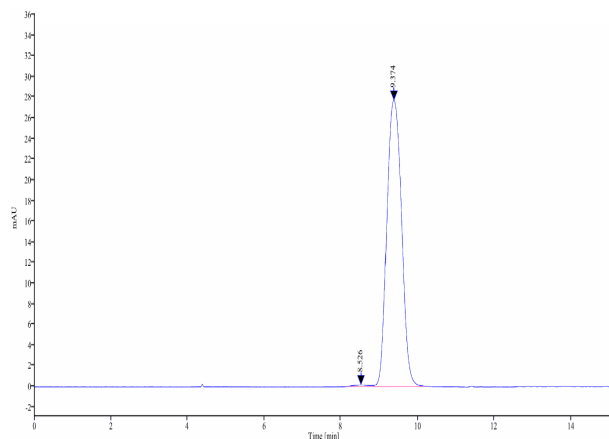
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



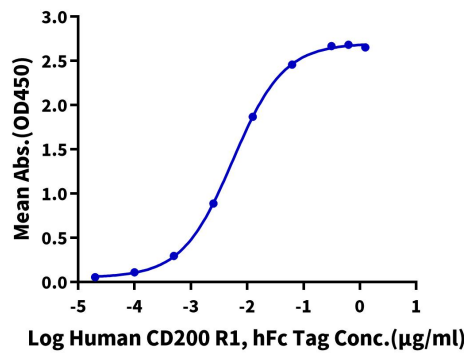
The purity of Biotinylated Human CD200 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human CD200, His Avi Tag ELISA

0.1µg Biotinylated Human CD200, His Avi Tag Per Well



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.