

Human CD200/OX-2 Protein

Cat. No. CD2-HM120



Description

Source	Recombinant Human CD200/OX-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln31-Gly232.
Accession	P41217-1
Molecular Weight	The protein has a predicted MW of 23.5 kDa. Due to glycosylation, the protein migrates to 40-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis 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 24 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days 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.

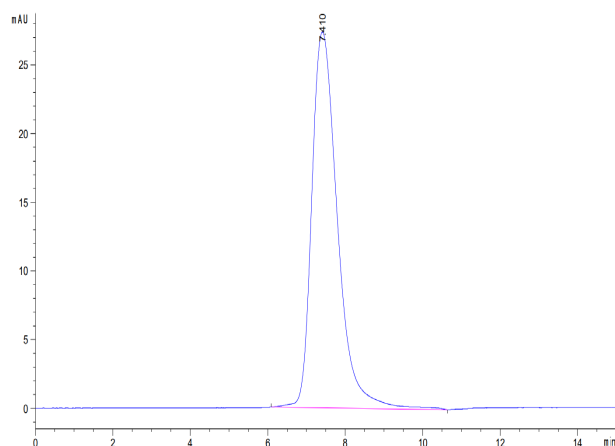
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



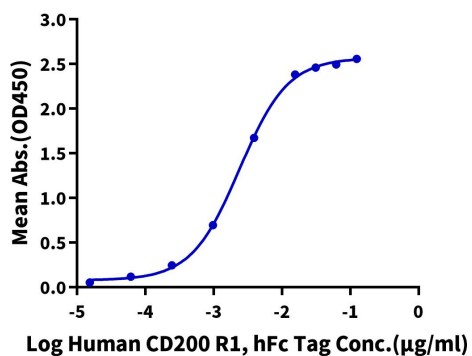
The purity of Human CD200 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human CD200, His Tag ELISA

0.1µg Human CD200, His Tag Per Well



Immobilized Human CD200, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human CD200 R1, hFc Tag with the EC50 2.4ng/ml determined by ELISA.