

# Human CD200/OX-2 Protein

Cat. No. CD2-HM120



## Description

<b>Source</b>	Recombinant Human CD200/OX-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln31-Gly232.
<b>Accession</b>	P41217-1
<b>Molecular Weight</b>	The protein has a predicted MW of 23.5 kDa. Due to glycosylation, the protein migrates to 40-60 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 24 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

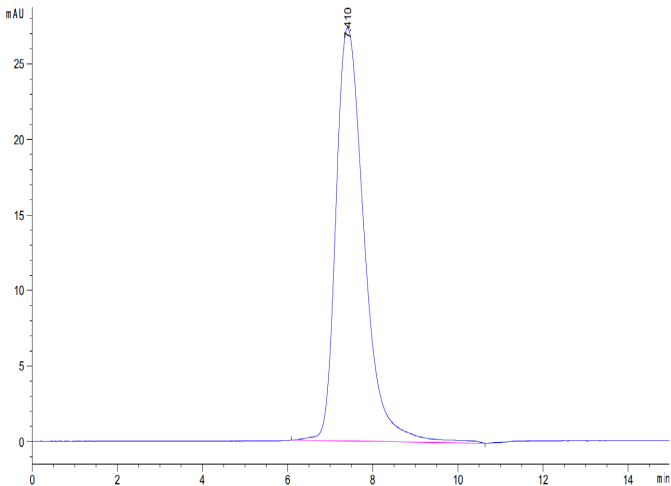
### Bis-Tris PAGE



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

### SEC-HPLC

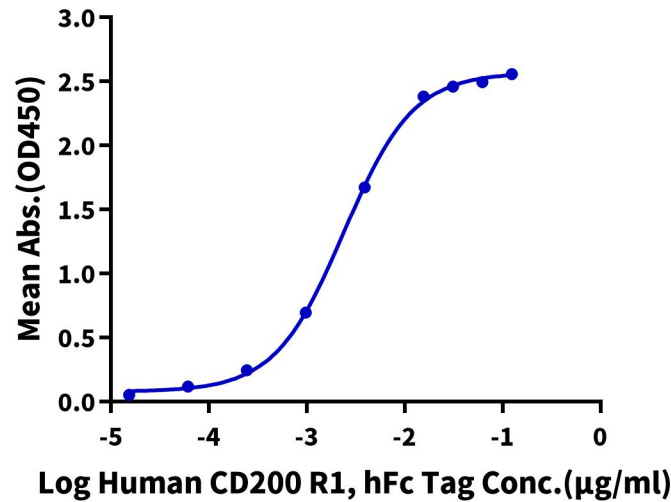
Assay Data



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

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.