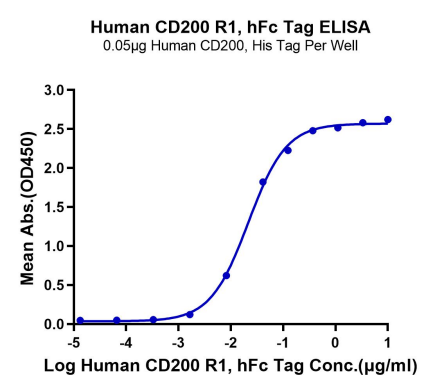
Bioactive CellTx™ HuPro®

CD200R1 (Human) Recombinant Protein

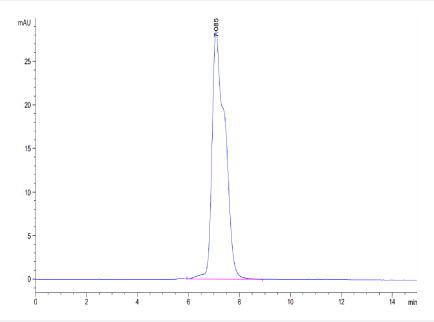
Catalog # P9856 Size 100 ug

Applications



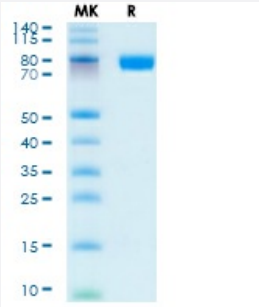
Enzyme-linked Immunoabsorbent Assay

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



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

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Product Description	Human CD200R1 (AAQ19772, Ala27-Leu266) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
Sequence	Ala27-Leu266
Host	Human
Theoretical MW (kDa)	53.7
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 21.6 ng/mL, messured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD200 R1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD200 R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD200, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Human CD200 R1, hFc Tag with the EC50 21.6ng/mL determined by ELISA.
- SDS-PAGE

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Gene Info — CD200R1

Entrez GeneID	131450
Protein Accession#	AAQ19772
Gene Name	CD200R1
Gene Alias	CD200R, HCRTR2, MOX2R, OX2R
Gene Description	CD200 receptor 1
Omim ID	607546
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and the receptor-substrate interaction may function as a myeloid downregulatory signal. Mouse studies of a related gene suggest that this interaction may control myeloid function in a tissue-specific manner. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq
Other Designations	MOX2 receptor|cell surface glycoprotein OX2 receptor|cell surface glycoprotein receptor CD200

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