

Datasheet for ABIN7013700

CD200R1 Protein (AA 27-266) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CD200R1
Protein Characteristics:	AA 27-266
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD200R1 protein is labelled with His tag.

Product Details

Characteristics:	Human CD200 R1 / CRTR2 Protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD200R1
Alternative Name:	CD200 R1 (CD200R1 Products)
Background:	Cell surface glycoprotein CD200 receptor 1 is a protein that in humans is encoded by the CD200R1 gene. 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-

Target Details

substrate interaction may function as a myeloid downregulatory signal. CD200 and its receptor CD200R are both type-1 membrane glycoproteins, which are members of the immunoglobulin superfamily (IgSF). Besides the inhibitory effect on macrophages, CD200/CD200R also play an important role in regulating the regulatory T cells, allergic reaction, autoimmune diseases, allograft, neurological diseases and other autoimmune-related diseases. The interaction between CD200, which is mainly present in neurons but also in astrocytes, and CD200R1, which is mainly present in microglia, is one of the mechanisms involved in keeping the microglial proinflammatory phenotype under control in physiological conditions. Alterations in the expression of CD200 and CD200R1 have been described in neurodegenerative diseases, but little is known about the mechanism of regulation of these proteins under physiological or pathological conditions.

Molecular Weight: 28.7 kDa

Application Details

Restrictions: For Research Use only

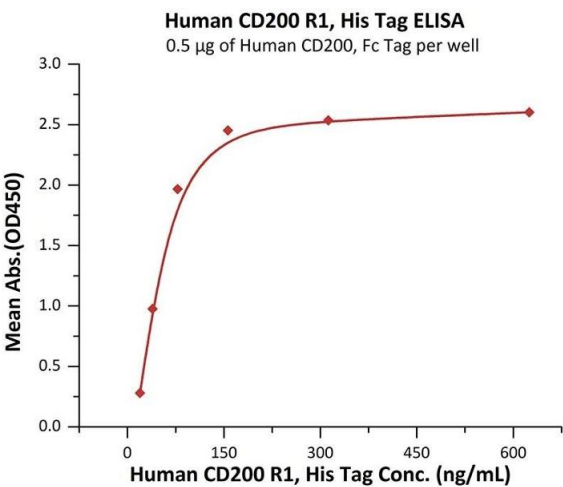
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

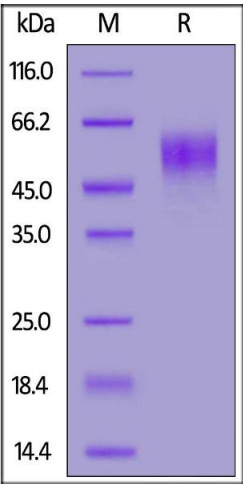
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Human CD200, Fc Tag (ABIN2180725, ABIN2180724) at 5 µg/mL (100 µL/well) can bind Human CD200 R1, His Tag (ABIN6972973) with a linear range of 20-78 ng/mL (QC tested).



SDS-PAGE

Image 2. Human CD200 R1, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .