

Datasheet for ABIN2180720

CD2 Protein (CD2) (AA 25-209) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	50 µg
Target:	CD2
Protein Characteristics:	AA 25-209
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD2 protein is labelled with His tag.

Product Details

Sequence:	AA 25-209
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 22.7 kDa. The protein migrates as 33-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD2
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Target Details

Alternative Name: CD2 ([CD2 Products](#))

Background: T-cell surface antigen CD2 is also known as Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor, T-cell surface antigen T11/Leu-5 and SRBC, is a single-pass type I membrane protein found on the surface of T cells and natural killer (NK) cells. CD2 is a member of the immunoglobulin superfamily. CD2 / SRBC contains 1 Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain. CD2 / SRBC interacts with other adhesion molecules, such as lymphocyte function-associated antigen-3 (LFA-3 / CD58) in humans, or CD48 in rodents, which are expressed on the surfaces of other cells. In addition to its adhesive properties, CD2 also acts as a co-stimulatory molecule on T and NK cells. CD2 is a specific marker for T cells and NK cells, and can therefore be used in immunohistochemistry to identify the presence of such cells in tissue sections.

Molecular Weight: 22.3 kDa

Application Details

Restrictions: For Research Use only

Handling

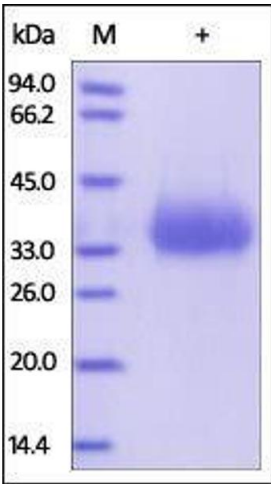
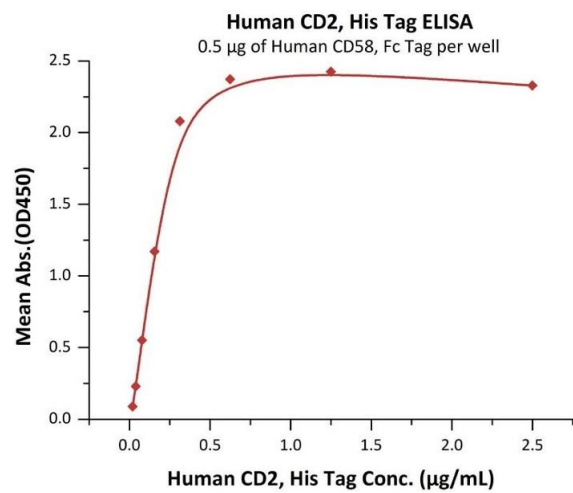
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



ELISA

Image 1. Immobilized Human CD58, Fc Tag (ABIN5526666,ABIN5526667) at 5 µg/mL (100 µL/well) can bind Human CD2, His Tag (ABIN2180720,ABIN2180719) with a linear range of 0.02-0.313 µg/mL (QC tested).

SDS-PAGE

Image 2. Human CD2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 98%.