

Recombinant Human CD2 protein(Met1-Asp209), hFc-tagged

Cat. No. CD2-1077H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD2 (NP_001758.2) (Met1-Asp209) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Asp209
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human CD58-His at 10 µg/mL (100 µL/well) can bind human CD2-Fc, the EC50 of human CD2-Fc is 100-350 ng/mL.
Molecular Mass	The recombinant human CD2 consists of 423 amino acids and predicts a molecular mass of 48 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [CD2 CD2 molecule \[Homo sapiens \]](#)

Official Symbol [CD2](#)

Synonyms

CD2; CD2 molecule; CD2 antigen (p50), sheep red blood cell receptor , SRBC; T-cell surface antigen CD2; LFA-3 receptor; rosette receptor; erythrocyte receptor; lymphocyte-function antigen-2; T-cell surface antigen T11/Leu-5; CD2 antigen (p50), sheep red blood cell receptor; T11; SRBC; LFA-2; FLJ46032;

Gene ID [914](#)

mRNA Refseq [NM_001767](#)

Protein Refseq [NP_001758](#)

MIM [186990](#)

UniProt ID [P06729](#)

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