

Recombinant Human CD2 Molecule

Cat. No. CD2-2392H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD2 Molecule (25-209 aa) is expressed in <i>E.coli</i> . MW=46kDa.
Species	Human
Source	E.coli
ProteinLength	25-209 a.a.
Description	CD2 which is also known as E-rosette receptor, T11 and lymphocyte-function antigen-2 (LFA-2) is expressed on T cells, thymocytes, and subset of natural killer cells. Human CD2 functions as the receptor for sheep erythrocytes, human CD58 (LFA-3), and CD15s (Sialyl Lewis X). p56lck, p59fyn, CD3eta and CD3epsilon are tyrosine-phosphorylated after CD2 stimulation. CD2 plays a role in T cell activation, T- or NK-cell-mediated cytotoxicity, apoptosis in activated peripheral T cells, and regulation of T cell anergy.
Presentation	100µl purified human CD2 protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
Application	ELISA, Inhibition Assays, Western Blotting.
Characterization	On SDS-PAGE comassie blue stained gel, the purified recombinant protein shows a band at 46kDa including GST.
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this

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protein is stable for 12 months.

GENE INFORMATION

Gene Name	CD2 CD2 molecule [Homo sapiens]
Synonyms	CD2; CD2 molecule; T11; SRBC; FLJ46032; CD2 antigen (p50), sheep red blood cell receptor; T-cell surface antigen CD2; T-cell surface antigen T11/Leu-5; LFA-2; LFA-3 receptor; Erythrocyte receptor; Rosette receptor; CD2 antigen; OTTHUMP00000024366; OTTHUMP00000059318
Gene ID	914
mRNA Refseq	NM_001767
Protein Refseq	NP_001758
MIM	186990
UniProt ID	P06729
Chromosome Location	1p13
Pathway	Cell adhesion molecules (CAMs); Hematopoietic cell lineage; Hemostasis; Signaling in Immune system
Function	eukaryotic cell surface binding; protein binding; protein homodimerization activity; receptor activity

The protein structure of CD2.

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