

## Recombinant Human CD2, His-tagged

**Cat. No.** CD2-7096H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	25-209aa
<b>Description</b>	<p>CD2, also known as T-cell surface antigen T11/Leu-5, is a cell adhesion molecule found on the surface of T cells and natural killer (NK) cells. It 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. The great majority of T cell lymphomas and leukaemias also express CD2, making it possible to use the presence of the antigen to distinguish these conditions from B cell neoplasms.</p>
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
<b>Molecular Mass</b>	23.8 kDa (209aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMKEITNA LETWGALGQD INLDIPSFQM

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SDDIDDIKWE KTSDDKKKIAQ FRKEKETFKE KDTYKLFKNGTLKIKHLKTD  
 DQDIYKVSIIY DTKGKNVLEK IFDLKIQERV SKPKISWTCI NTTLTCEVMN  
 GTDPELNLYQ DGKHLKLSQR VITHKWTTLSAKFKCTAGN KVSKESSVEP  
 VSCPEKGLD

**Purity** >85% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml

## 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](#)

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<b>MIM</b>	186990
<b>UniProt ID</b>	P06729
<b>Chromosome Location</b>	1p13
<b>Pathway</b>	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Hemostasis, organism-specific biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem;
<b>Function</b>	eukaryotic cell surface binding; protein binding; protein homodimerization activity; receptor activity; receptor activity;

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