

Recombinant human CD2 protein

Catalog Number: ATGP1878

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-209aa

UniProt No.

P06729

NCBI Accession No.

NP_001758

Alternative Names

T-cell surface antigen CD2, SRBC, T11

PRODUCT SPECIFICATION

Molecular Weight

23.8 kDa (209aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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CD2, making it possible to use the presence of the antigen to distinguish these conditions from B cell neoplasms. Recombinant human CD2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMKEITNA LETWGALGQD INLDIPSFQM SDDIDDIKWE KTSDDKKKIAQ FRKEKETFKE
KDTYKLFKNG TLKIKHLKTD DQDIYKVSII DTKGKNVLEK IFDLKIQERV SKPKISWTCI NTTLTCEVMN GTDPELNLYQ
DGKHLKLSQR VITHKWTTSL SAKFKCTAGN KVSKESSVEP VSCPEKGLD

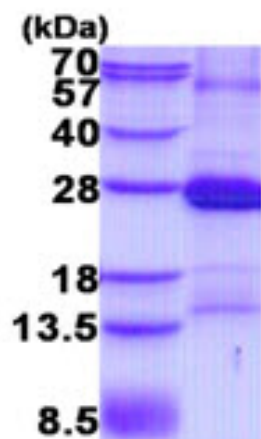
General References

Wilkins AL. et al. (2003) *Curr Protein Pept Sci.* 4:367-373.

Yang JJ. et al. (2001) *Curr Protein Pept Sci.* 2:1-17.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)