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# Recombinant human CD2 protein

Catalog Number: ATGP3519

#### PRODUCT INFORMATION

## **Expression system**

Baculovirus

#### **Domain**

25-209aa

#### UniProt No.

P06729

#### **NCBI Accession No.**

NP 001758

#### **Alternative Names**

T-cell surface antigen CD2, CD2, LFA-2, SRBC, T11

## PRODUCT SPECIFICATION

# **Molecular Weight**

22.3 kDa (194aa)

#### Concentration

0.5mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **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 CD2, 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. CD2 is a specific marker for T cells and NK cells. The great majority of T cell lymphomas and leukaemias also express CD2, making it possible to use the presence of



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the antigen to distinguish these conditions from B cell neoplasms. Recombinant human CD2 protein, fused to Histag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

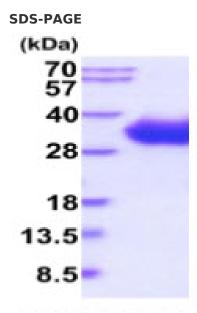
## **Amino acid Sequence**

ADPKEITNAL ETWGALGQDI NLDIPSFQMS DDIDDIKWEK TSDKKKIAQF RKEKETFKEK DTYKLFKNGT LKIKHLKTDD QDIYKVSIYD TKGKNVLEKI FDLKIQERVS KPKISWTCIN TTLTCEVMNG TDPELNLYQD GKHLKLSQRV ITHKWTTSLS AKFKCTAGNK VSKESSVEPV SCPEKGLDHH HHHH

### **General References**

Meinl E., et al. (2000) J Immunol. 165: 3578-3583. Kalland ME., et al. (2011) J Immunol. 187: 5233-45.

# **DATA**



15% SDS-PAGE (3ug)

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

