

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 His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

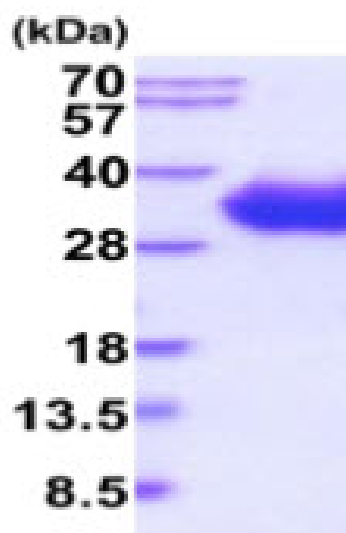
ADPKEITNAL ETWGALGQDI NLDIPSFQMS DDIDDIKWEK TSDKKKIAQF RKEKETFKEK DTYKLFKNGT LKIKHLKTDD
QDIYKVSIDY TKGKNVLEKI FDLKIQERVS KPKISWTCIN TTLTCEVMNG TDPELNLYQD GKHLKLSQRV ITHKWTTSL
AKFKCTAGNK VSKESSVEPV SCPEKGLDHH HHHH

General References

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)