

Recombinant mouse CD30/TNFRSF8 protein

Catalog Number: ATGP3949

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

19-258aa

UniProt No.

Q60846

NCBI Accession No.

NP_033427

Alternative Names

Tumor necrosis factor receptor superfamily member 8, CD30L receptor, Lymphocyte activation antigen CD30, CD_antigen, CD30, Ki-1, D1S166E, ki

PRODUCT SPECIFICATION

Molecular Weight

52.2kDa (479aa)

Concentration

1mg/ml (determined by Absorbance at 280nm)

Formulation

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

Purity

> 90% by SDS-PAGE

Endotoxin level

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

Tag

hIgG-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

CD30/TNFRSF8, also known as TNF Receptor Superfamily Member 8, is a member of TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a

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positive regulator of apoptosis and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. CD30 contributes to thymic negative selection by inducing the apoptotic cell death of CD4+CD8+ T cells. In B cells, CD30 ligation promotes cellular proliferation and antibody production in addition to the expression of CXCR4, CCL3, and CCL5. Recombinant mouse CD30/TNFRSF8 protein, fused to hlgG-His tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

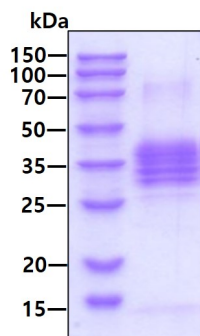
FPTDRPLKTT CAGDLSHYPG EAARNCCYQC PSGLSPTQPC PRGPAHCRKQ CAPDYYVNED GKCTACVTCL PGLVEKAPCS
GNSPRICECQ PGMHCCTPAV NSCARCKLHC SGEEVVKSPG TAKKDTICEL PSSGSGPNCS NPGDRKTLTS HATPQAMPTL
ESPANDSARS LLPMRVTNLV QEDATELVKV PESSSSKARE PSPDPGNAEK NMTLELPSPG TLPDISTSEN SKEPASTAST
<LEPKSCDKTH TCPGPCAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE
QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFP
SDIAVEWESN GQPENNYKTT PPVLDSGGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTKSLSLSL PGKHHHHHH>

General References

So T, Ishii N. (2019) Adv Exp Med Biol. 1189:53-84.
Jeon SH, et al, (2015) Acta Odontol Scand. 73(8):588-594.

DATA

SDS-PAGE



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