Recombinant human DR3/TNFRSF25 protein

Catalog Number: ATGP4017

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
25-199aa

UniProt No.
Q93038

NCBI Accession No.
NP_003781.1

Alternative Names
Tumor necrosis factor receptor superfamily member 25, Apo-3, Apoptosis-inducing receptor AIR, Apoptosis-mediating receptor DR3, Apoptosis-mediating receptor TRAMP, Death receptor 3, Lymphocyte-associated receptor of death, LARD, Protein WSL, Protein WSL-1, APO3, DDR3, DR3, TNFRSF12, WSL, WSL1, TR3

PRODUCT SPECIFICATION

Molecular Weight
46.1kDa (417aa)

Concentration
0.25mg/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)

Biological Activity
Measured by its binding ability in a functional ELISA with Human TL1A/TNFSF15 (CAT# ATGP1049). The ED50 range ≤ 5 ug/ml.

Tag
hIgG-His-Tag

Application
SDS-PAGE, Bioactivity

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.

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BACKGROUND

Description

TNFRSF25, also known as Tumor necrosis factor receptor superfamily member 25, is a member of the TNF receptor superfamily that binds to the TNF-like protein TL1A. TNFRSF25 signals are required to exert T helper cell 2 effector function in Th2-polarized CD4 cells and co-stimulate interleukin-13 production by glycosphingolipidactivated NKT cells. Its axis is a novel immune pathway that participates in the pathogenesis of a variety of autoimmune rheumatic diseases. These molecules may be promising therapeutic targets for inflammatory arthritis. Recombinant human TNFRSF25, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

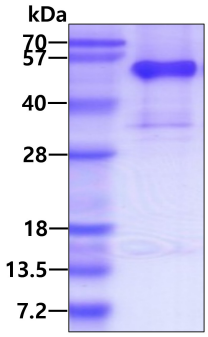
<ADP>QGGTRSP RCDCAGDFHK KIGLFCCRGC PAGHYLKAPC TEPCGNSTCL VCPQDTFLAW ENHHNSECAR CQACDEQASQ VALENCSAVA DTRCGCKPGW FVECQVSQCV SSSPFYCQPC LDCGALHRHT RLLCSRRDTD CGTCLPGFYE HGDGCVSCPT STLGSCPERC AAVCGWRQ<LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH>

General References

Slebioda TJ., et al. (2011) Eur J Immunol. 41:2606-2611.
Fang L., et al. (2008) J Exp Medl. 205:1037-1048.

DATA

SDS-PAGE

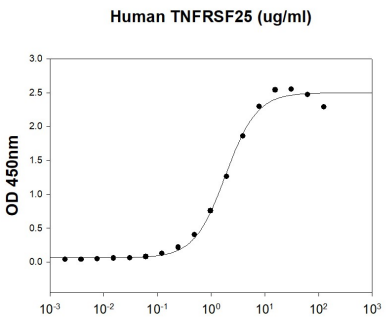


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

Biological Activity

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Human TL1A/TNFSF15 (CAT# ATGP1049) is coated at 10 ug/ml (100 ul/well) can bind Human DR3/TNFRSF25. The ED50 range ≤ 5 ug/ml.