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Recombinant human CD95/FAS protein

Catalog Number: ATGP3267

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
26-173aa

UniProt No.
P25445

NCBI Accession No.
NP_000034

Alternative Names
Tumor necrosis factor receptor superfamily member 6, Apo-1 antigen, Apoptosis-mediating surface antigen FAS, FASLG receptor, FAS1, APT1, TNFRSF6

PRODUCT SPECIFICATION

Molecular Weight
17.7 kDa (156aa)

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)

Biological Activity
Measured by ability to inhibit FAS ligand-induced apoptosis assay using Jurkat human acute T cell leukemia cells in the presence of 2ng/ml of human FAS ligand. The ED50 range ≤ 200ng/ml.

Tag
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

FAS, also known as tumor necrosis factor receptor superfamily member 6, belongs to the death receptor subfamily of the TNF receptor superfamily and is designated TNFRSF6. This protein plays a major role in controlling viral infections. While FAS is expressed on most cell types, its cognate ligand (FasL) is restricted to activated T, NK and dendritic cells. The upregulation of FasL and TRAIL on HCMV-infected dendritic cells promotes direct killing of activated T lymphocytes, an action that may preferentially delete HCMV-specific T cells. Moreover, the activation of FasL on HCMVinfected retinal pigment epithelial cells may subvertneutrophil function in HCMV retinitis. Recombinant human FAS, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

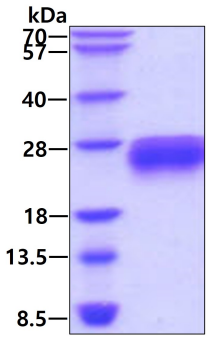
QVTDINSKGL ELRKTVTTVE TQNLEGLHHD GQFCHKPCPP GERKARDCTV NGDEPDCVPC QEGKEYTDKA HFSSKCRRCR LCDEGHGLEV EINCTRTQNT KCRCKPNFFC NSTVCEHCDP CTKCEHGIIK ECTLTSNTKC KEEGSRSN<LE HHHHHH>

General References

Seirafian S., et al. (2014) J. Gen. Virol. 95(4):933-939.
Thurner EM., et al. (2014) Strahlenther Onkol 190(3):304-309.

DATA

SDS-PAGE



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

Biological Activity

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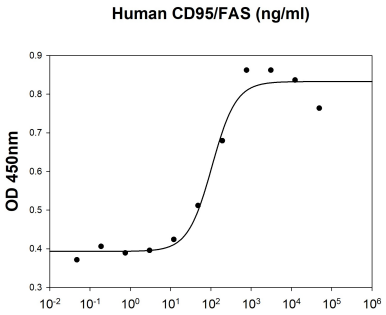

Human CD95/FAS inhibit apoptosis of the Jurkat human acute T cell leukemia cells in the presence of human FAS ligand. The ED50 range ≤ 200 ng/ml.