

Active Recombinant Mouse FASL protein, His-tagged

Cat. No. FasL-1736M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse FASL protein(Q544E9)(132~279 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	132-279 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Fas ligand (FASL) is a 40 kDa type II membrane protein belonging to the TNF family. In the new TNF super family nomenclature, FASL is referred to as TNFSF6. The specific receptor for FASL is FAS (CD95, Apo-1), a 45 kDa type I transmembrane protein that is a member of the TNF receptor family. FASL is predominantly expressed on activated T cells and NK cells, while FAS is expressed on various types of cells. The FAS/FASL system plays a crucial role in modulating immune response by inducing cell apoptosis to maintain homeostasis, self-tolerance of lymphocytes, and immune privilege. FASL was reported to be a potent chemoattractant for neutrophils, suggesting a novel proinflammatory function of this molecule. A functional binding ELISA assay was conducted to detect the interaction of recombinant mouse FASL and recombinant human FAS. Briefly, FASL was diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

transferred to FAS-coated microtiter wells and incubated for 1h at 37°C. Wells were washed with PBST and incubated for 1h with anti-FASL pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody for 1h at 37°C, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50 µ stop solution to the wells and read at 450/630 nm immediately. The binding activity of recombinant mouse FASL and recombinant human FAS was shown, and this effect was in a dose dependent manner.

Molecular Mass	12.7kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Fasl Fas ligand (TNF superfamily, member 6) [<i>Mus musculus</i>]
Official Symbol	FASL
Synonyms	FASL; Fas ligand (TNF superfamily, member 6); tumor necrosis factor ligand superfamily member 6; CD95 ligand; Fas antigen ligand; generalized lymphoproliferative disease; gld; CD178; CD95L; Fas-L; Faslg; CD95-L; Tnfsf6; APT1LG1;

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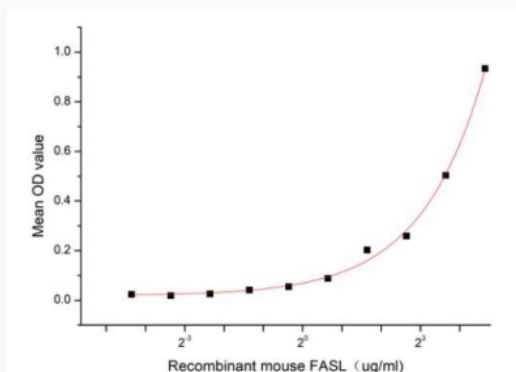
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Gene ID 14103

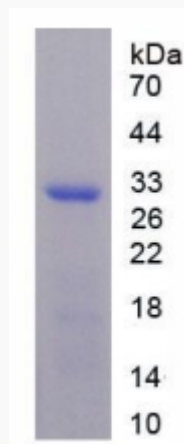
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Protein Refseq NP_001192172

Activity



SDS-PAGE



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