

For Research Use Only

Recombinant Rat Fas Ligand/CD178 protein (mFc Tag)



Catalog Number: Eg3217

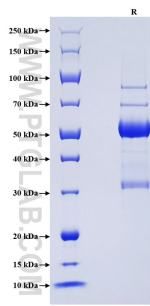
Basic Information	Species: Rat	Purity: >85 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >85 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Rat Fas Ligand protein His103-Leu278 (Accession# P36940) with a mouse IgG Fc tag at the N-terminus. GeneID: 25385 Accession: P36940 Predicted Molecular Mass: 47.8 kDa SDS-PAGE: 48-60 kDa , reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Fas Ligand (also known as FasL, CD95L and CD178) is a 40-kDa type II transmembrane protein that binds to Fas (CD95), a widely expressed glycosylated cell surface molecule of 45-52-kDa. Fas Ligand is primarily expressed by lymphocytes and other immune cell types, such as Natural Killer (NK) cells. These cells induce Fas signaling on cells targeted for removal by the immune system resulting in the activation of apoptosis in sensitive cells. Fas Ligand and Fas, play an essential role in deletion of peripheral T cells and in homeostasis of organ tissues such as liver.		
References	1. Caulfield AJ, Lathem WW. (2014) PLoS Pathog. 10(8):e1004252. 2. Modiano JF, Bellgrau D. (2016) Discov Med. 21(114):109-116. 3. Haluck-Kangas A, Peter ME. (2023) Biochem Soc Trans. 51(1):21-29. 4. Schmid A. et al. (2024) Chemistry. 30(24):e202400120.		
Synonyms	ADAM10-processed FasL form, APL, Apt1Lg1, CD178, CD95 ligand		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Rat Fas Ligand was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.