

## FASLG

### Recombinant Human Multimeric FasL

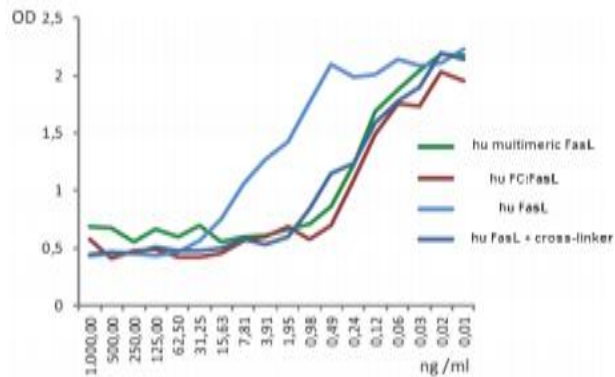
<b>Catalog No.</b>	CRH023	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	ALPS1B, APT1LG1, APTL, CD178, CD95-L, CD95L, FASL, TNFSF6		
<b>Description:</b>	<p>Multimeric FasL™ is a high activity construct in which two trimeric FasL are artificially linked via the oligomeric collagen domain of mouse ACRP30. This construct very effectively mimics the natural membrane-assisted aggregation of FasL in vivo. FasL is a cytokine that binds to TNFRSF6/Fas, a receptor that transduces the apoptotic signal into cells. It is involved in cytotoxic T cell mediated apoptosis and in T cell development.</p> <p>Human FasL aa 139-281 is fused at the N-terminus to mouse collagen domain of ACRP30 (aa18-111) and a FLAG tag.</p>		
<b>Concentration:</b>	0.1 mg/ml after reconstitution		
<b>Gene ID:</b>	Human FasL: 356; Mouse ACRP30 (adiponectin): 11450		
<b>Protein Accession No:</b>	Human FasL: P48023; Mouse ACRP30 (adiponectin): Q60994		
<b>Source:</b>	HEK 293 cells		
<b>Molecular Weight:</b>	~40 kDa by SDS-PAGE		
<b>Formulation:</b>	Lyophilized solution containing PBS.		
<b>Purity:</b>	≥95% (SDS-PAGE)		
<b>Endotoxin Level:</b>	<0.02 EU/µg purified protein as determined by LAL test (Lonza).		
<b>Specificity:</b>	Binds to human and mouse Fas.		
<b>Biological Activity:</b>	Induces apoptosis of human Jurkat T cells at a concentration of <0.2ng/ml.		
<b>Amino Acid Sequence:</b>	FLAG tag + mouse collagen domain of ACRP30 (aa 18-111) + Human CD40L (aa 139-281)		
<b>Reconstitution:</b>	Reconstitute with 100µl sterile water.		
<b>Applications Methods:</b>	<p>Activation Methods for Fig. 1. Jurkat cells were treated overnight with the indicated concentrations of Recombinant Human Multimeric FasL, recombinant Fc:FasL, recombinant human FasL, or recombinant human FasL + cross-linking anti-FLAG mab. Cell were tested at 2-fold dilutions starting with 1000 ng/ml. Cell death was quantified using PMS/MTS. The Recombinant Human Multimeric FasL, Fc:FasL, soluble FasL, and soluble FasL + cross-linker kill Jurkat cells at IC50 &lt;0.2 ng/ml.</p>		



## Storage & Stability:

Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 6 months after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. PBS containing at least 0.1% BSA or HSA should be used for further dilutions. **Avoid repeated freeze-thaw cycles.**

Fig. 1. Oligomerization of human FasL efficiently triggers Jurkat cell death.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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