Human TNFSF15 Protein

Cat. No. FSF-HM115

Description

Source	Recombinant Human TNFSF15 Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Leu72-Leu251.
Accession	O95150-1
Molecular Weight	The protein has a predicted MW of 21.57 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

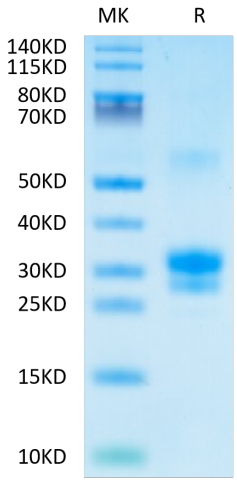
Formulation	Lyophilized from 0.22μm filtered solution in 20mM PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

TNF superfamily member 15 (TNFSF15), a cytokine largely produced by vascular endothelial cells and a specific inhibitor of the proliferation of these same cells, can inhibit VEGF-induced vascular permeability in vitro and in vivo, and that death receptor 3 (DR3), a cell surface receptor of TNFSF15, mediates TNFSF15-induced dephosphorylation of VEGFR2.

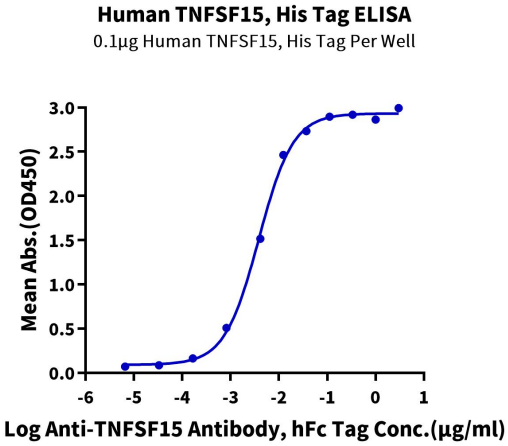
Assay Data

Tris-Bis PAGE



Human TNFSF15 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

ELISA Data



Immobilized Human TNFSF15, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-TNFSF15 Antibody, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA (QC Test).

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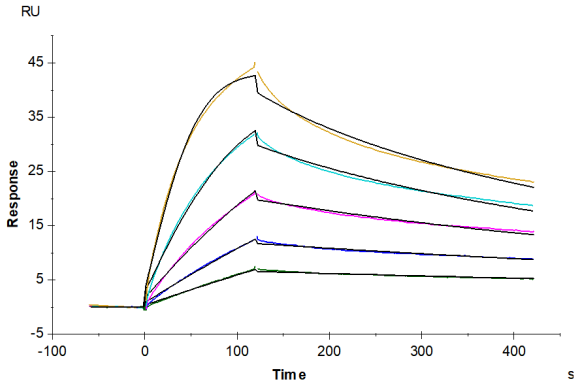
SPR Data



Mouse DR3, His Tag immobilized on CM5 Chip can bind Human TNFSF15, His Tag with an affinity constant of 12.00 nM as determined in SPR assay (Biacore T200).