Biotinylated Human TNFSF15 Trimer Protein (Primary Amine Labeling)

Cat. No. FSF-HM416B

Description

Source	Recombinant Biotinylated Human TNFSF15 Trimer Protein (Primary Amine Labeling) is expressed from HEK293 with His tag and Flag tag at the N-Terminus.
	It contains Asp91-Leu251.
Accession	O95150-1
Molecular Weight	The protein has a predicted MW of 58.2 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE
	>95% as determined by HPLC

Formulation and Storage

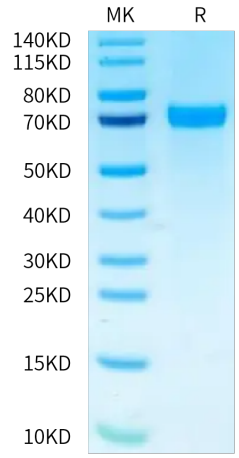
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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.

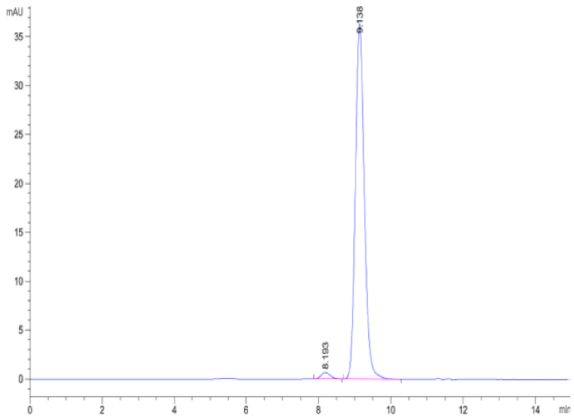
Assay Data

Bis-Tris PAGE



Biotinylated Human TNFSF15 Trimer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human TNFSF15 Trimer is greater than 95% as determined by SEC-HPLC.

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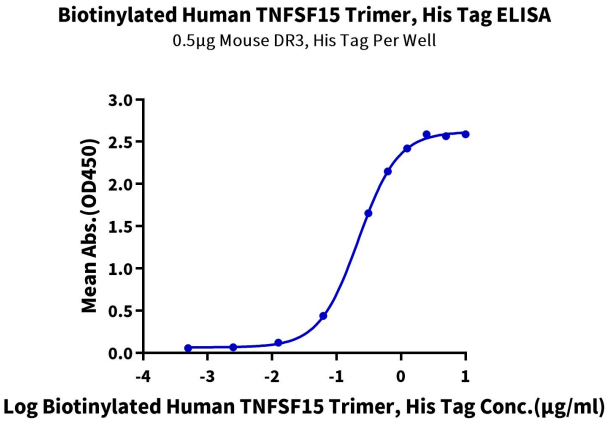
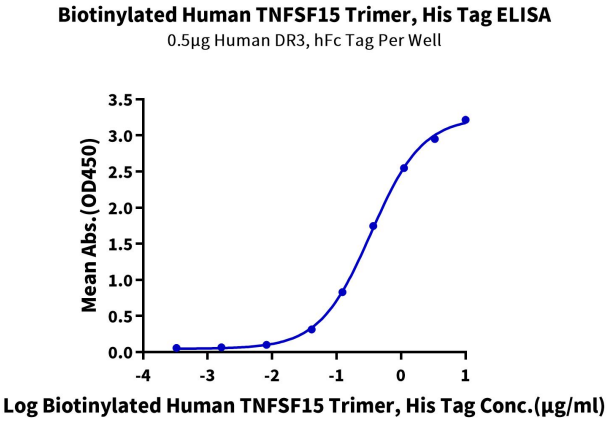
Assay Data

ELISA Data



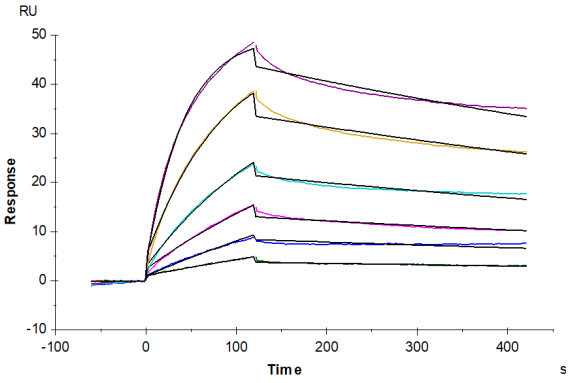
Immobilized Mouse DR3, His Tag at 5 μg/ml (100 μl/well) on the plate. Dose response curve for Biotinylated Human TNFSF15 Trimer, His Tag with the EC50 of 0.22 μg/ml determined by ELISA (QC Test).

ELISA Data



Immobilized Human DR3, hFc Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human TNFSF15 Trimer, His Tag with the EC50 of 0.34μg/ml determined by ELISA.

SPR Data



Human DR3, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human TNFSF15 Trimer, His Tag with an affinity constant of 3.64 nM as determined in SPR assay (Biacore T200).