

Biotinylated Human TNFSF15 Protein, Ultra Low Endotoxin

Cat. No. FSF-HM415B-UL

Description

| | |
|-------------------------|---|
| Source | Recombinant Biotinylated Human TNFSF15 Protein is expressed from HEK293 with His tag and Avi tag at the N-terminus It contains Leu72-Leu251. |
| Accession | O95150-1 |
| Molecular Weight | The protein has a predicted MW of 23.38 kDa. Due to glycosylation, the protein migrates to 27-37 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 0.01 EU per µg by the LAL method. |
| Purity | > 90% as determined by Bis-Tris PAGE |

Formulation and Storage

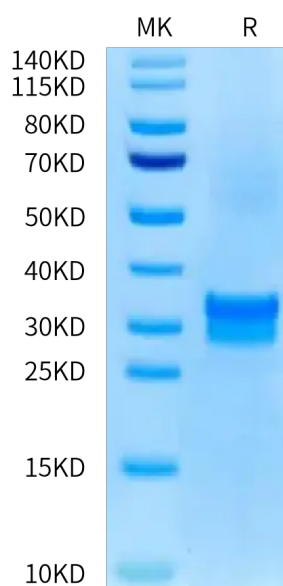
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| 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



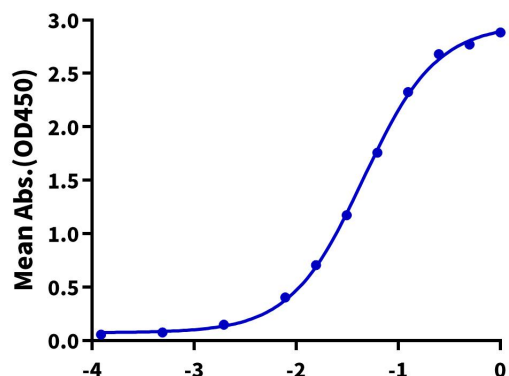
Biotinylated Human TNFSF15 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

ELISA Data

Assay Data

Biotinylated Human TNFSF15, His Tag ELISA

0.1µg Mouse DR3, His Tag Per Well

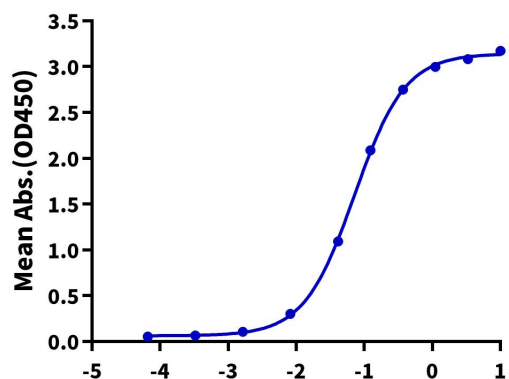


Log Biotinylated Human TNFSF15, His Tag Conc.(µg/ml)

Immobilized Mouse DR3, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human TNFSF15, His Tag with the EC50 of 45.6 ng/ml determined by ELISA (QC Test).

Biotinylated Human TNFSF15, His Tag ELISA

0.5µg Human DR3, hFc Tag Per Well

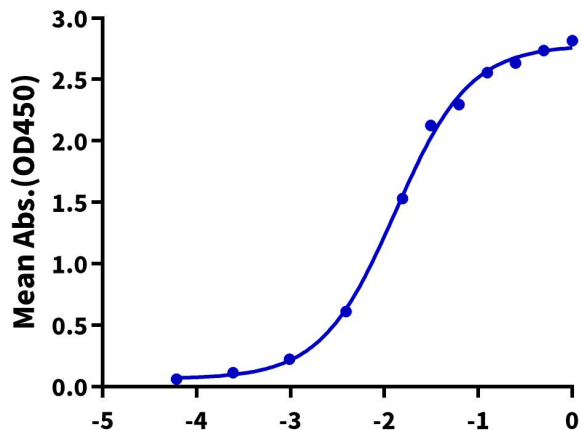


Log Biotinylated Human TNFSF15, His Tag Conc.(µg/ml)

Immobilized Human DR3, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TNFSF15, His Tag with the EC50 of 72.2ng/ml determined by ELISA.

Biotinylated Human TNFSF15, His Avi Tag ELISA

0.1µg Biotinylated Human TNFSF15, His Avi Tag Per Well



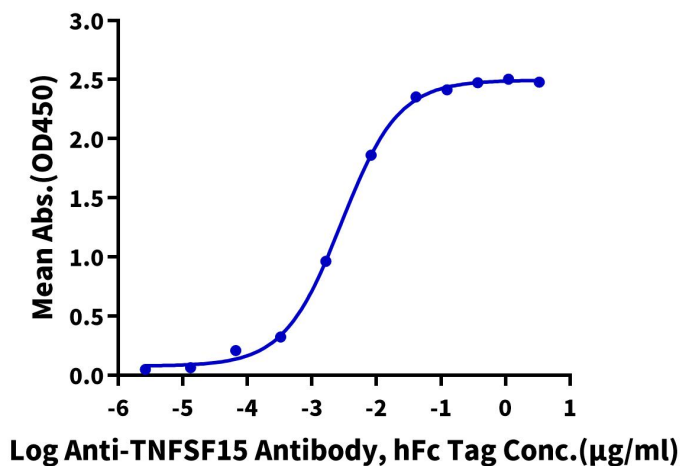
Log Human DcR3, hFc Tag Conc.(µg/ml)

Immobilized Biotinylated Human TNFSF15, His Avi Tag at 1µg/ml(100µl/well) on the plate. Dose response curve for Human DcR3, hFc Tag with the EC50 of 13.1ng/ml determined by ELISA.

Assay Data

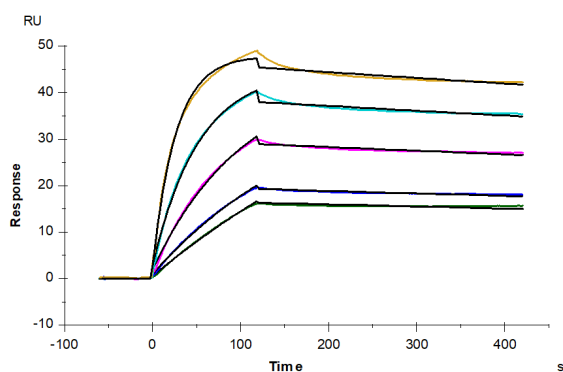
Biotinylated Human TNFSF15, His Tag ELISA

0.05µg Biotinylated Human TNFSF15, His Tag Per Well



Immobilized Biotinylated Human TNFSF15, His Tag at 0.5 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Anti-TNFSF15 Antibody, hFc Tag with the EC50 of 2.9 ng/ml determined by ELISA.

SPR Data



Human DR3, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human TNFSF15, His-Avi Tag with an affinity constant of 1.51 nM as determined in SPR assay (Biacore S200).