

Biotinylated Human TNFSF15 Protein

Cat. No. FSF-HM415B

Description

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| 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 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

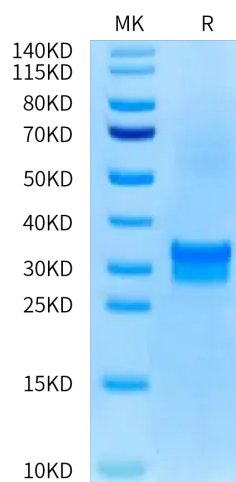
| | |
|-----------------------|--|
| Formulation | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ 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

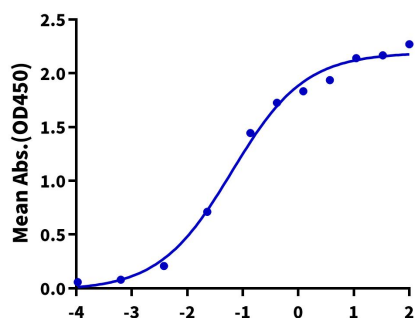
Tris-Bis PAGE



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

ELISA Data

Biotinylated Human TNFSF15, His Tag ELISA
0.1 μg Mouse DR3, His Tag Per Well



Immobilized Mouse DR3, His Tag at 1 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Biotinylated Human TNFSF15, His Tag with the EC₅₀ of 63.7ng/ml determined by ELISA (QC Test).

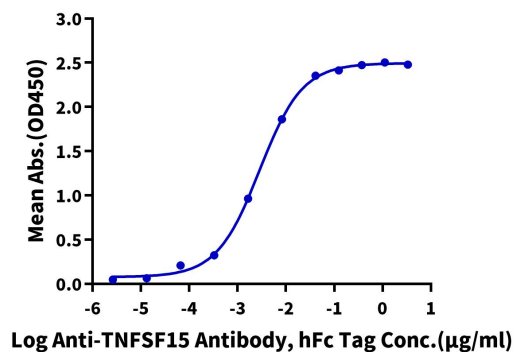
Log Biotinylated Human TNFSF15, His Tag Conc.($\mu\text{g}/\text{ml}$)

Assay Data

ELISA Data

Biotinylated Human TNFSF15, His Tag ELISA

0.05µg Biotinylated Human TNFSF15, His Tag Per Well



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