

Mouse TNFSF15 Protein, Ultra Low Endotoxin



Cat. No. FSF-MM615-UL

Description

Source	Recombinant Mouse TNFSF15 Protein is expressed from HEK293 with monomeric Fc tag at the N-terminus. It contains Ala61-Leu252.
Accession	Q5UBV8
Molecular Weight	The protein has a predicted MW of 45.9 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

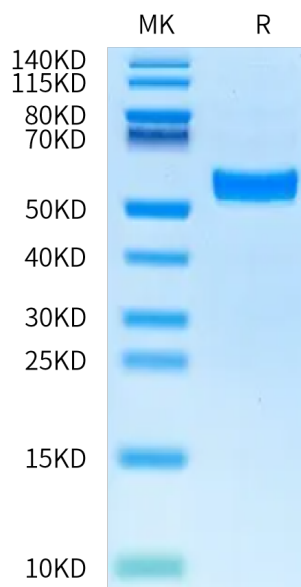
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

TL1A and its functional receptor DR3 are members of the TNF/TNFR superfamilies of proteins. TL1A and DR3 are abundantly localized at inflamed intestinal areas of patients with IBD and mice with experimental ileitis or colitis and actively participate in the immunological pathways that underlie mucosal homeostasis and intestinal inflammation. Recently, an important role was demonstrated for TL1A/DR3 as potential mediators of intestinal fibrosis that is associated with the presence of gut inflammation.

Assay Data

Bis-Tris PAGE



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

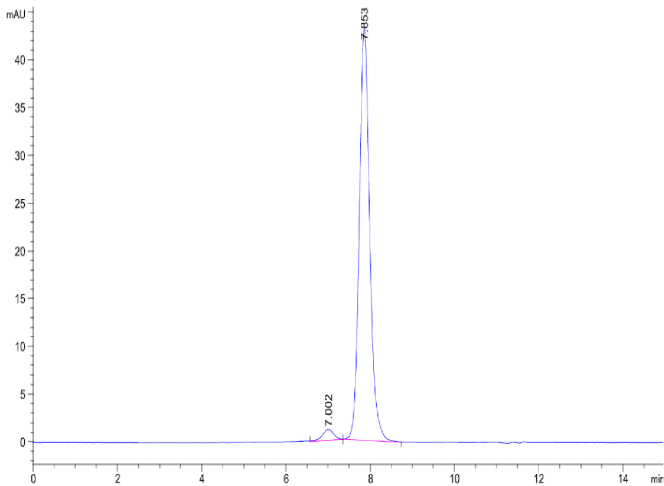
SEC-HPLC

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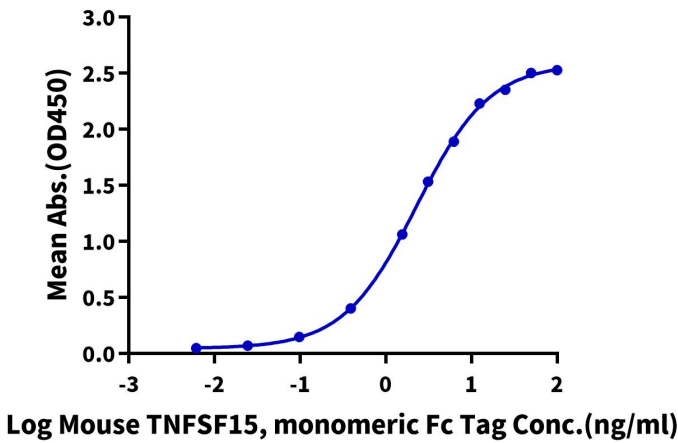
Assay Data



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

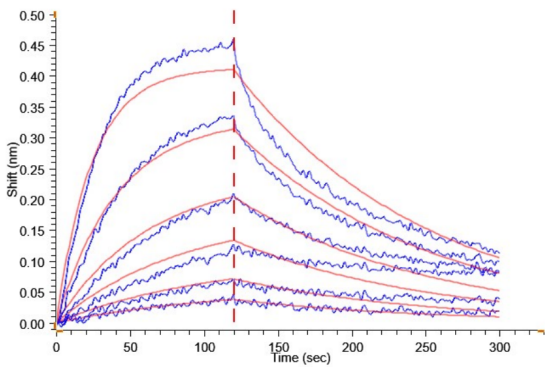
ELISA Data

Mouse TNFSF15, monomeric Fc Tag ELISA
0.05µg Mouse DR3, His Tag Per Well



Immobilized Mouse DR3, His Tag at 0.5µg/ml(100µl/well) on the plate. Dose response curve for Mouse TNFSF15, monomeric Fc Tag with the EC50 of 2.3ng/ml determined by ELISA (QC Test).

BLI Data



Loaded Mouse TNFSF15, monomeric Fc Tag on ProA-Biosensor, can bind Mouse DR3, His Tag with an affinity constant of 22.80 nM as determined in BLI assay (Gator).