

Mouse DR3/TNFRSF25 Protein

Cat. No. DR3-MM101

Description

Source	Recombinant Mouse DR3/TNFRSF25 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln31-Met196.
Accession	B1AWN9
Molecular Weight	The protein has a predicted MW of 18.79 kDa. Due to glycosylation, the protein migrates to 38-48 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

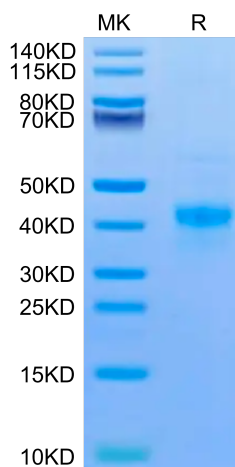
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized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

Background

Death Receptor 3 (DR3), also known as TNFRSF25, TRAMP, LARD, or WSL-1, is a death-domain-containing TNF-family receptor that, like its closest paralog TNFR1, binds the adaptor molecule TRADD through its cytoplasmic death domain. TRADD recruitment endows DR3 with dual-signaling capability to activate NF- κ B and MAP-kinase signaling or alternatively trigger caspase activation and programmed cell death.

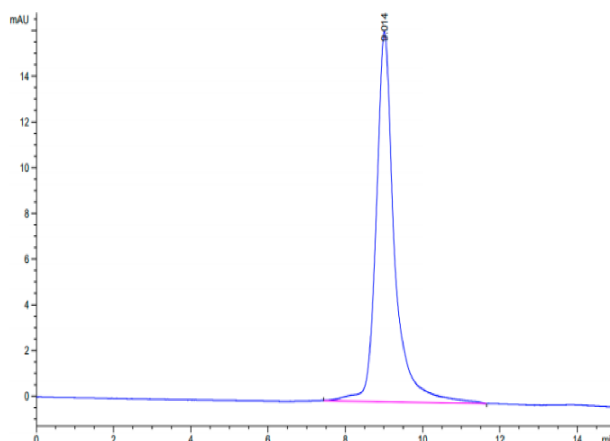
Assay Data

Bis-Tris PAGE



Mouse DR3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



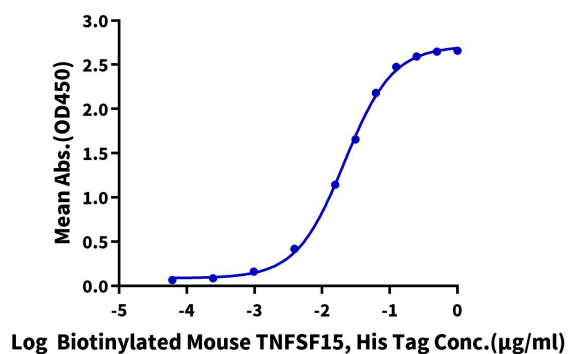
The purity of Mouse DR3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

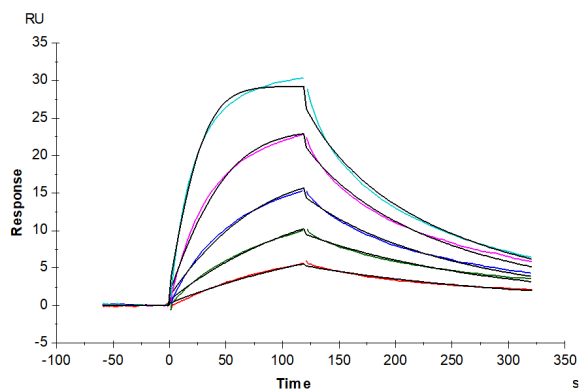
Mouse DR3 , His Tag ELISA

0.1µg Mouse DR3, His Tag Per Well



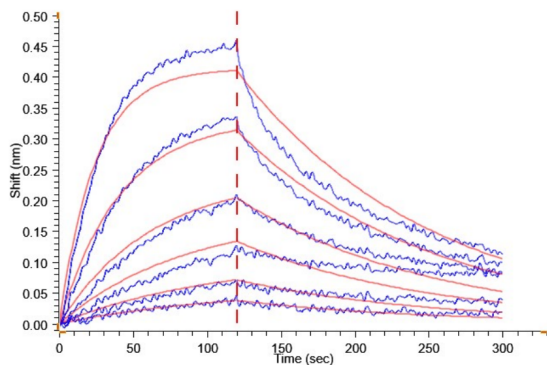
Immobilized Mouse DR3, His Tag at 1µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Mouse TNFSF15, His Tag with the EC50 of 21.4 ng/ml determined by ELISA (QC Test).

SPR Data



Mouse TNFSF15, hFc Tag captured on CM5 Chip via Protein A can bind Mouse DR3, His Tag with an affinity constant of 4.56 nM as determined in SPR assay (Biacore T200).

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).