

# Mouse DR3/TNFRSF25 Protein

Cat. No. DR3-MM101

## Description

<b>Source</b>	Recombinant Mouse DR3/TNFRSF25 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln31-Met196.
<b>Accession</b>	B1AWN9
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1 EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

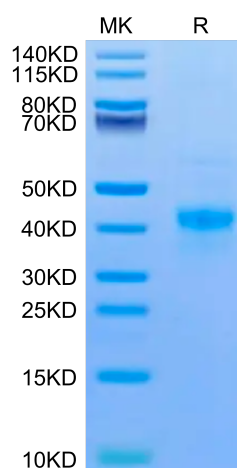
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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- $\kappa\text{B}$  and MAP-kinase signaling or alternatively trigger caspase activation and programmed cell death.

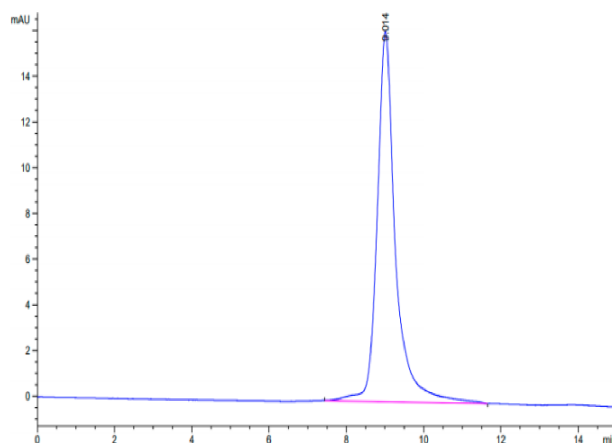
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



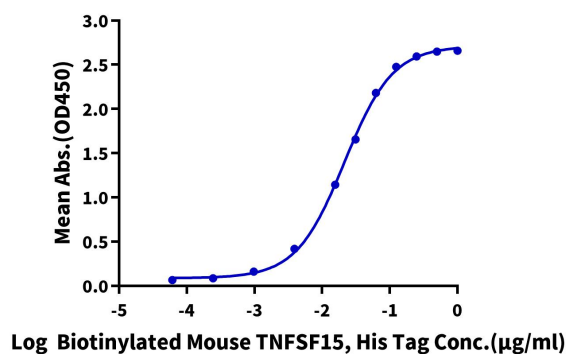
The purity of Mouse DR3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

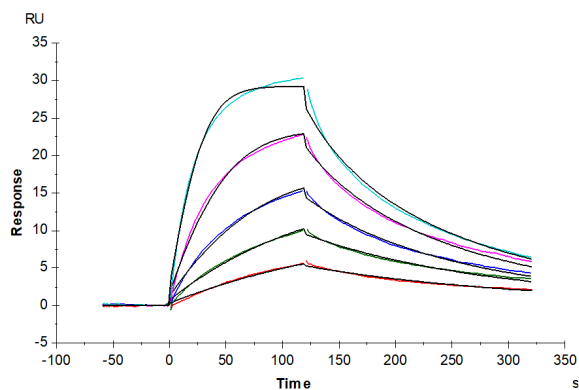
**Mouse DR3 , His Tag ELISA**

0.1µg Mouse DR3, His Tag Per Well



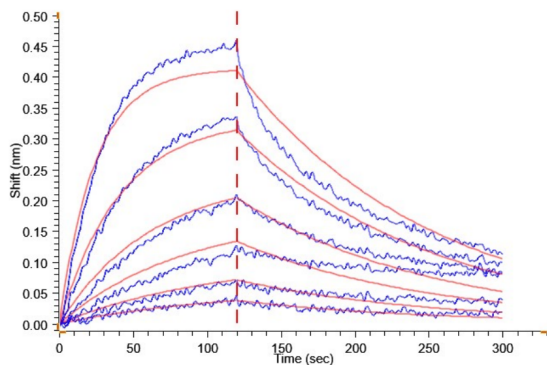
Immobilized Mouse DR3, His Tag at 1µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Mouse TNFSF15, His Tag with the EC50 of 21.4 ng/ml determined by ELISA (QC Test).

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).