Human DR3/TNFRSF25 Protein

Cat. No. DR3-HM603

Description

Source	Recombinant Human DR3/TNFRSF25 Protein is expressed from HEK293 with His tag and monomeric Fc tag at the C-terminus.
	It contains Gln25-Gln199.
Accession	AAI17190
Molecular Weight	The protein has a predicted MW of 49.80 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE

Formulation and Storage

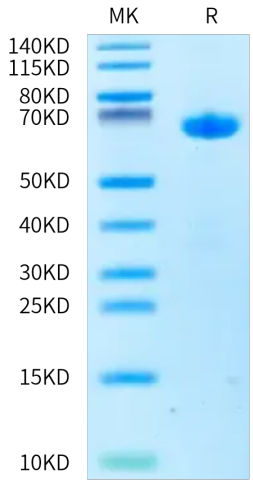
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

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−κB and MAP-kinase signaling or alternatively trigger caspase activation and programmed cell death.

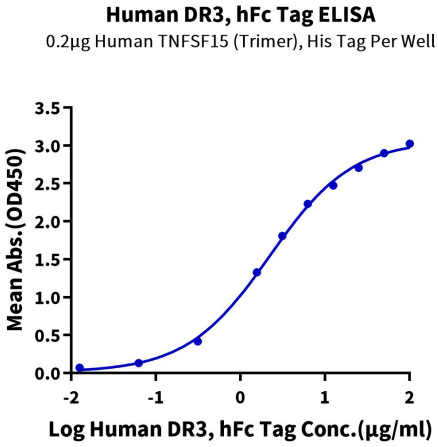
Assay Data

Bis-Tris PAGE



Human DR3 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

ELISA Data



Immobilized Human TNFSF15 Trimer, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human DR3, monomeric Fc Tag with the EC50 of 2.2μg/ml determined by ELISA (QC Test).

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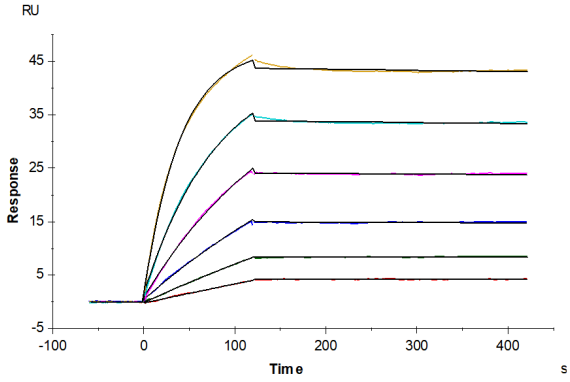
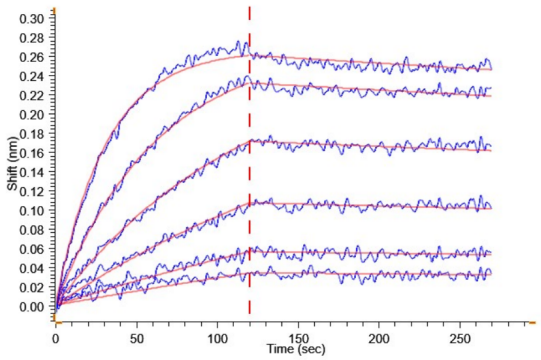
SPR Data



Human DR3, monomeric Fc Tag captured on CM5 Chip via Protein A can bind Human TNFSF15 Trimer, His Tag with an affinity constant of 0.10 nM as determined in SPR assay (Biacore T200).

BLI Data



Loaded Human DR3, monomeric Fc Tag on ProA-Biosensor, can bind Human TNFSF15, His Tag with an affinity constant of 5.04 nM as determined in BLI assay (Gator).