Human DR3/TNFRSF25 Protein

Cat. No. DR3-HM603

Description

Source	Recombinant Human DR3/TNFRSF25 Protein is expressed from HEK293 with His tag and hFc 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	>95% as determined by Bis-Tris PAGE

Formulation and Storage

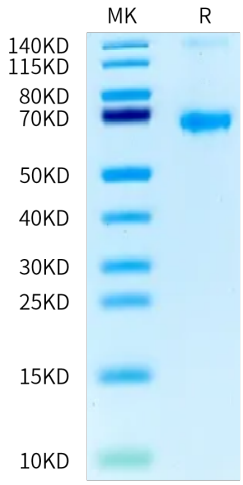
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

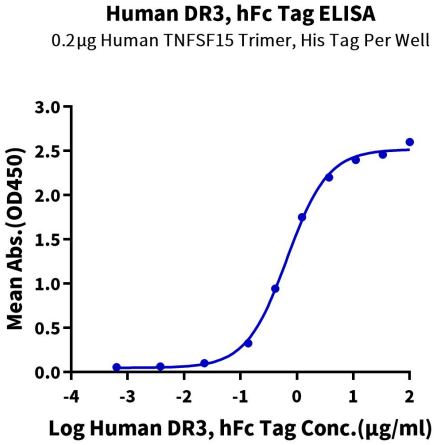
Assay Data

Bis-Tris PAGE



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

ELISA Data



Immobilized Human TNFSF15 Trimer, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human DR3, hFc Tag with the EC50 of 0.67μg/ml determined by ELISA (QC Test).

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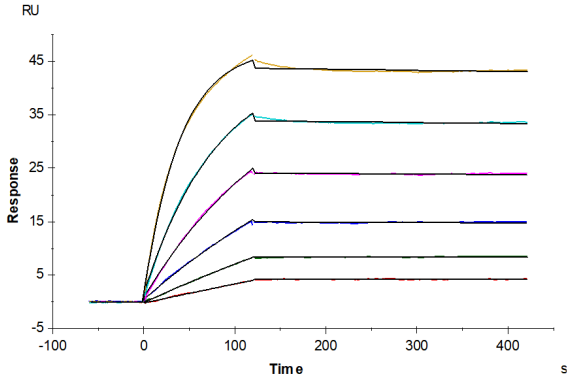
SPR Data



Human DR3, hFc 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).