

Human DR3/TNFRSF25 Protein

Cat. No. DR3-HM201



Description

Source	Recombinant Human DR3/TNFRSF25 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln25-Gln199.
Accession	AAI17190
Molecular Weight	The protein has a predicted MW of 45.6 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

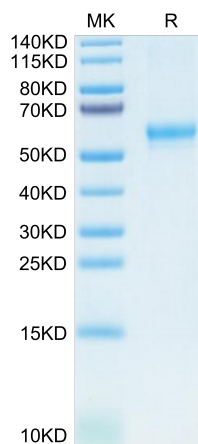
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

TNF-like ligand 1 A (TL1A) and death receptor 3 (DR3) are a ligand-receptor pair involved in the pathogenesis of inflammatory bowel disease. Group 3 innate lymphoid cells (ILC3s) regulate intestinal immunity and highly express DR3.

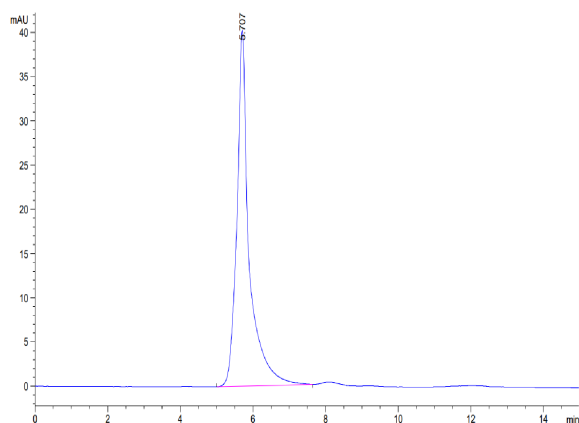
Assay Data

Bis-Tris PAGE



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

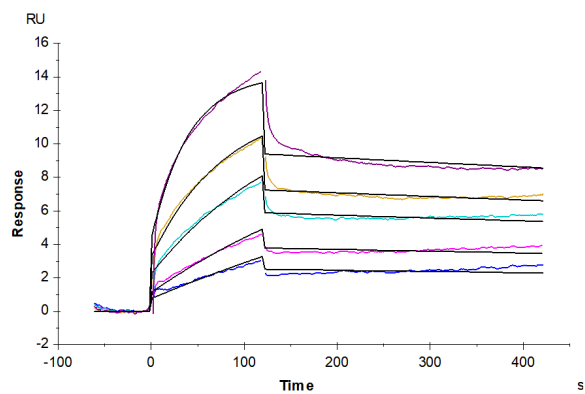
SEC-HPLC



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

Assay Data

SPR Data



Human DR3, hFc Tag immobilized on CM5 Chip can bind Anti-DR3 Antibody with an affinity constant of 6.20 nM as determined in SPR assay (Biacore T200).