



### Synonym

TNFRSF6B,DCR3,TR6,M68

### Source

Human DcR3, Fc Tag(TNB-H5255) is expressed from human 293 cells (HEK293). It contains AA Val 30 - His 300 (Accession # [O95407-1](#)).

Predicted N-terminus: Val 30

### Molecular Characterization

DcR3(Val 30 - His 300) O95407-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 56.2 kDa. The protein migrates as 60-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>90% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22 µm filtered solution in

Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

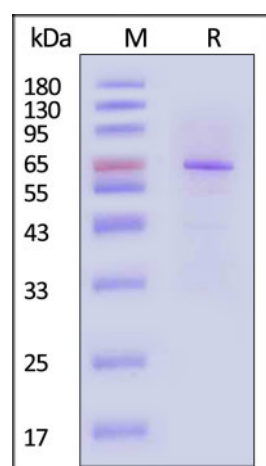
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE

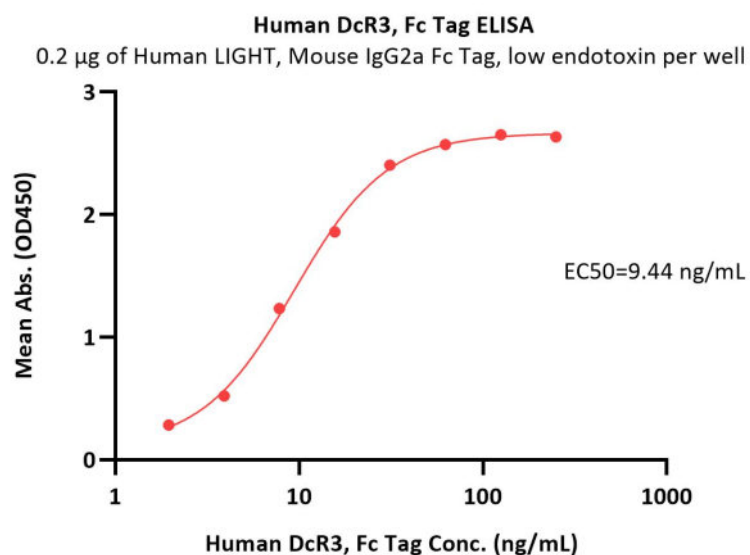


Human DcR3, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

### Bioactivity-ELISA

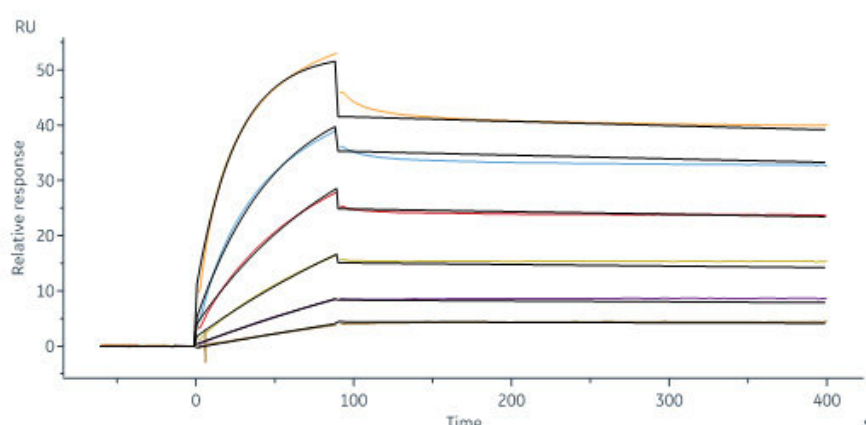
Discounts, Gifts,  
and more!



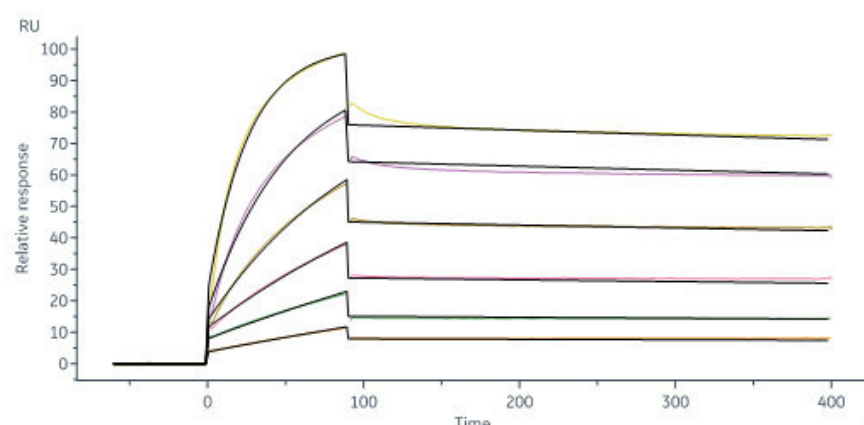


Immobilized Human LIGHT, Mouse IgG2a Fc Tag, low endotoxin (Cat. No. LIT-H5256) at 2 µg/mL (100 µL/well) can bind Human DcR3, Fc Tag (Cat. No. TNB-H5255) with a linear range of 2-31 ng/mL (QC tested).

**Bioactivity-SPR**

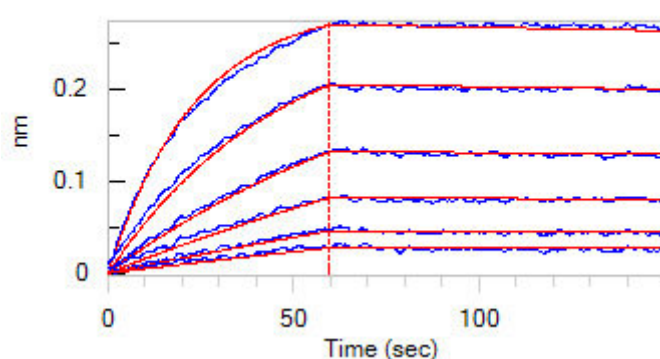


Human DcR3, Fc Tag (Cat. No. TNB-H5255) captured on Protein A Chip can bind Human TL1A Protein, His Tag (Cat. No. TLA-H5246) with an affinity constant of 0.497 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).



Human DcR3, Fc Tag (Cat. No. TNB-H5255) captured on Protein A Chip can bind Human TL1A, His Tag (Cat. No. TLA-H5243) with an affinity constant of 0.269 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

**Bioactivity-BLI**



Loaded Human DcR3, Fc Tag (Cat. No. TNB-H5255) on AHC Biosensor, can bind Human LIGHT, Mouse IgG2a Fc Tag, low endotoxin (Cat. No. LIT-H5256) with an affinity constant of 1.64 nM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).

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and more!





## Background

Tumor necrosis factor receptor superfamily member 6B (TNFRSF6B) is also known as Decoy Receptor 3 (DcR3), Decoy receptor for Fas ligand and M68, which belongs to the tumor necrosis factor receptor superfamily. TNFRSF6 is a soluble protein which contains four TNFR-Cys repeats. Unlike most of the other members of TNFR superfamily, TNFRSF6 is a soluble protein which contains no transmembrane domain. TNFRSF6B acts as a decoy receptor that competes with death receptors for ligand binding. The protein is postulated to play a regulatory role in suppressing FasL- and LIGHT-mediated cell death and T cell activation as well as to induce angiogenesis via neutralization of TL1A.

## Clinical and Translational Updates

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