PRODUCT INFORMATION

Target	TNFSF12
Synonyms	APO3L;DR3LG;TNLG4A;TWEAK
Description	Recombinant Human TNFSF12 Protein with N-terminal Human Fc tag
Delivery	In Stock
Uniprot ID	O43508
Expression Host	HEK293
Tag	N-Human Fc Tag
Molecular Characterization	hFc(Glu99-Ala330) TNFSF12(Ser94-His249)
Molecular Weight	The protein has a predicted molecular mass of 43.3 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine, which exists in both membrane-bound and secreted forms, can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. Alternative splicing results in multiple transcript variants. Some transcripts skip the last exon of this gene and continue into the second exon of the neighboring TNFSF13 gene, such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13.
Usage	Research use only
Conjugate	Unconjugated

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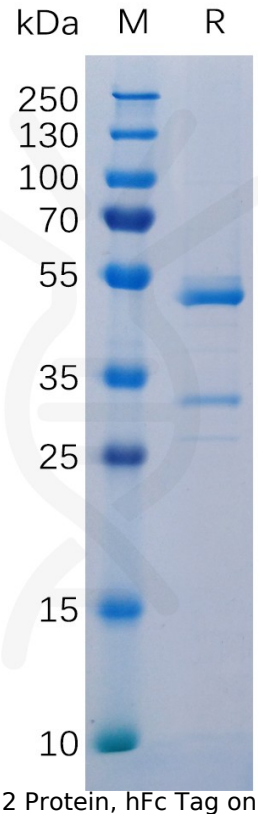


Figure 1. Human TNFSF12 Protein, hFc Tag on SDS-PAGE under reducing condition.

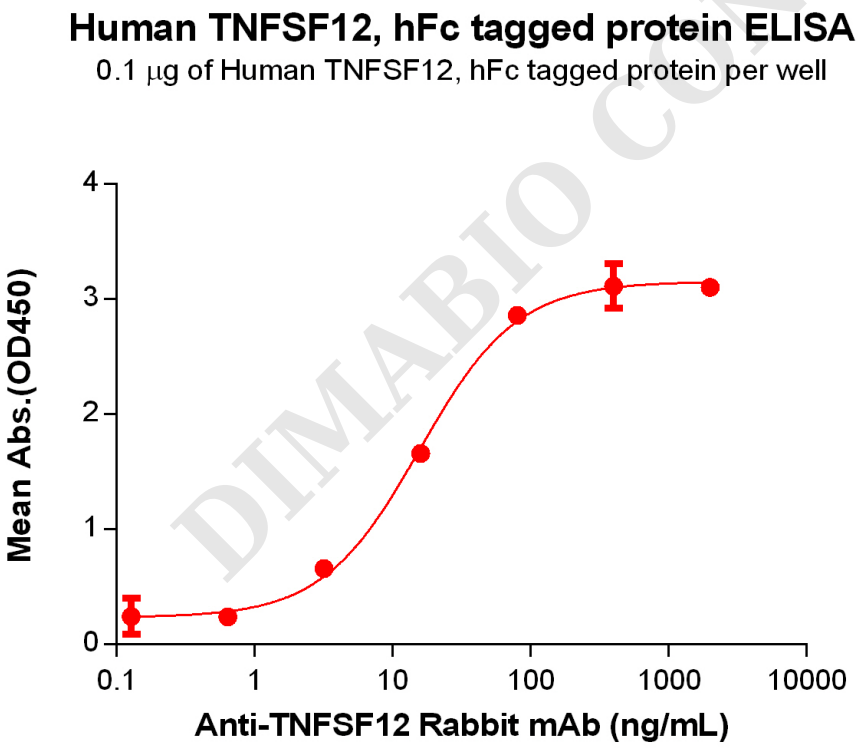


Figure 2. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Human TNFSF12 Protein, hFc Tag (PME100105) can bind Anti-TNFSF12 Rabbit mAb in a linear range of 3.2-80 ng/mL.

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