

PRODUCT INFORMATION

TNFSF15 **Target Synonyms** TL1;VEGI

Recombinant human TNFSF15 protein with N-Description

terminal human Fc tag

Delivery In Stock **Uniprot ID** 095150 **Expression Host HEK293**

Tag N-Human Fc Tag

Molecular

Storage & Shipping

Background

hFc(Glu99-Ala330) TNFSF15(Leu72-Leu251) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

46.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-TNFSF15 is approximately 35-55kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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.

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly

expressed in endothelial cells, but is not expressed in endotheral cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as

an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. Two transcript variants encoding different isoforms

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have been found for this gene. [provided by RefSeq, Feb 2011]

Usage Research use only Conjugate Unconjugated





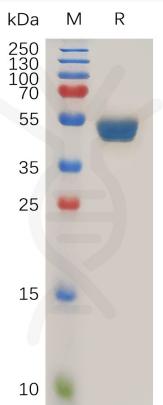


Figure 1. Human TNFSF15 Protein, N-hFc Tag on SDS-PAGE under reducing condition.

Human TNFSF15, hFc Tagged protein ELISA

0.2 μg of Human TNFSF15, hFc tagged protein per well

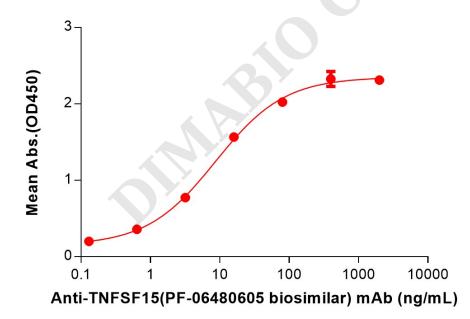


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human TNFSF15 Protein, hFc Tag (PME100752) can bind Anti-TNFSF15(PF-06480605 biosimilar) mAb (BME100222) in a linear range of 0.64–80 ng/mL.



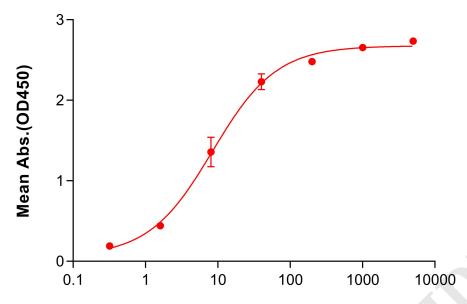




IMA BIOTECH

Human TNFSF15, hFc Tagged Protein ELISA

0.2 μg of Human TNFSF15, hFc tagged protein per well



Anti-TNFSF15(tulisokibart biosimilar) mAb (ng/mL)

Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human TNFSF15 Protein, hFc Tag (PME100752) can bind Anti-TNFSF15(tulisokibart biosimilar) mAb (BME100709) in a linear range of 1.6–8 ng/mL.In order to specifically detect BME100709, mouse anti-human Fab-specific antibody was used as detection antibody.

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