## PRODUCT INFORMATION

| | |
|---|---|
| **Target** | Mesothelin |
| **Synonyms** | MSLN;Mesothelin;MPF |
| **Description** | Recombinant human Mesothelin(296-580) protein with C-terminal mouse Fc and 6×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | Q13421 |
| **Expression Host** | HEK293 |
| **Tag** | C-Mouse Fc and 6×His Tag |
| **Molecular Characterization** | Mesothelin(Glu296-Gly580) mFc(Pro99-Lys330) 6×His tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 59.3 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** | This gene encodes a preproprotein that is proteolytically processed to generate two protein products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating factor functions as a cytokine that can stimulate colony formation of bone marrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

DIMA BIO CONFIDENTIAL

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

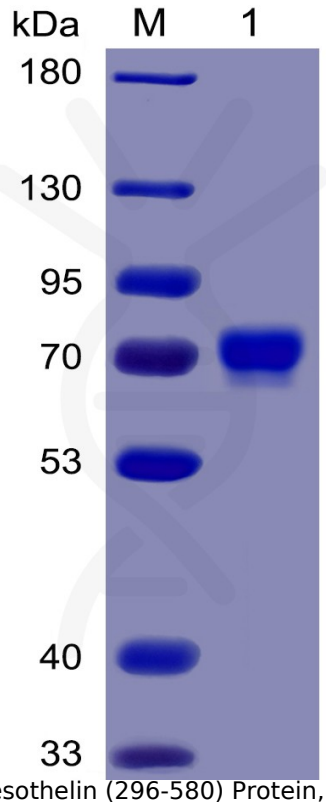



Figure 1. Human Mesothelin (296-580) Protein, mFc-His Tag on SDS-PAGE under reducing condition.

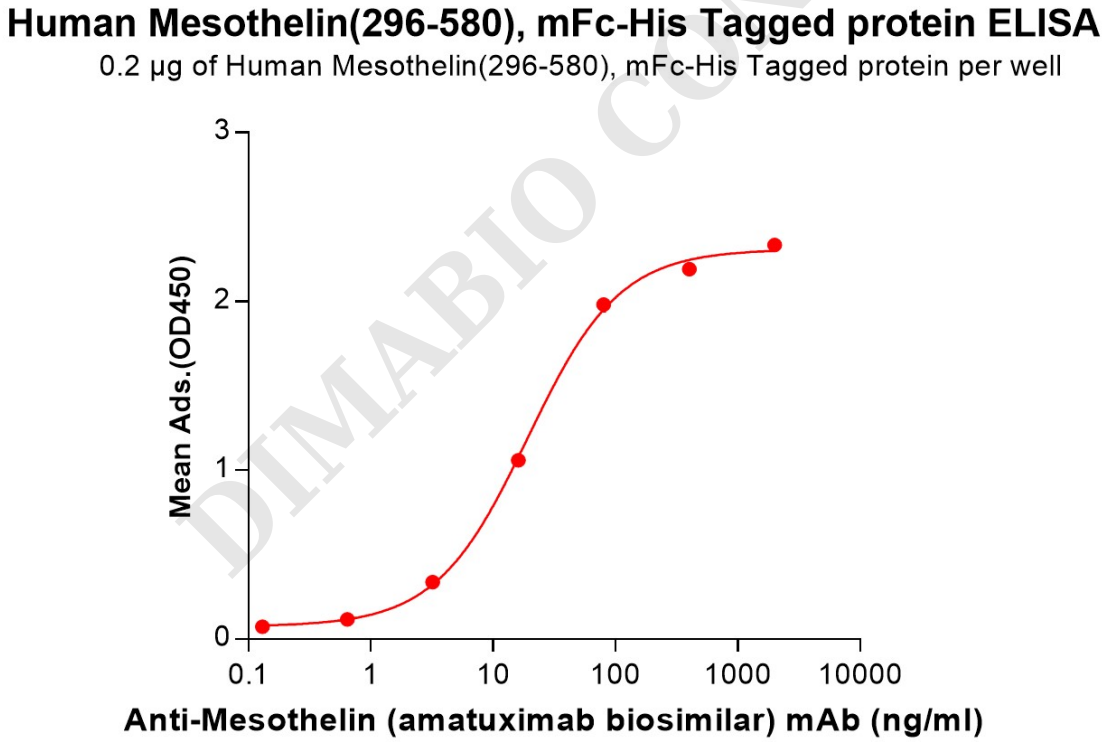



Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human Mesothelin (296-580) Protein, mFc-His Tag (PME100031) can bind Anti-Mesothelin Neutralizing antibody (BME100021) in a linear range of 3.2-80.0 ng/ml.

DIMABIO CONFIDENTIAL

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

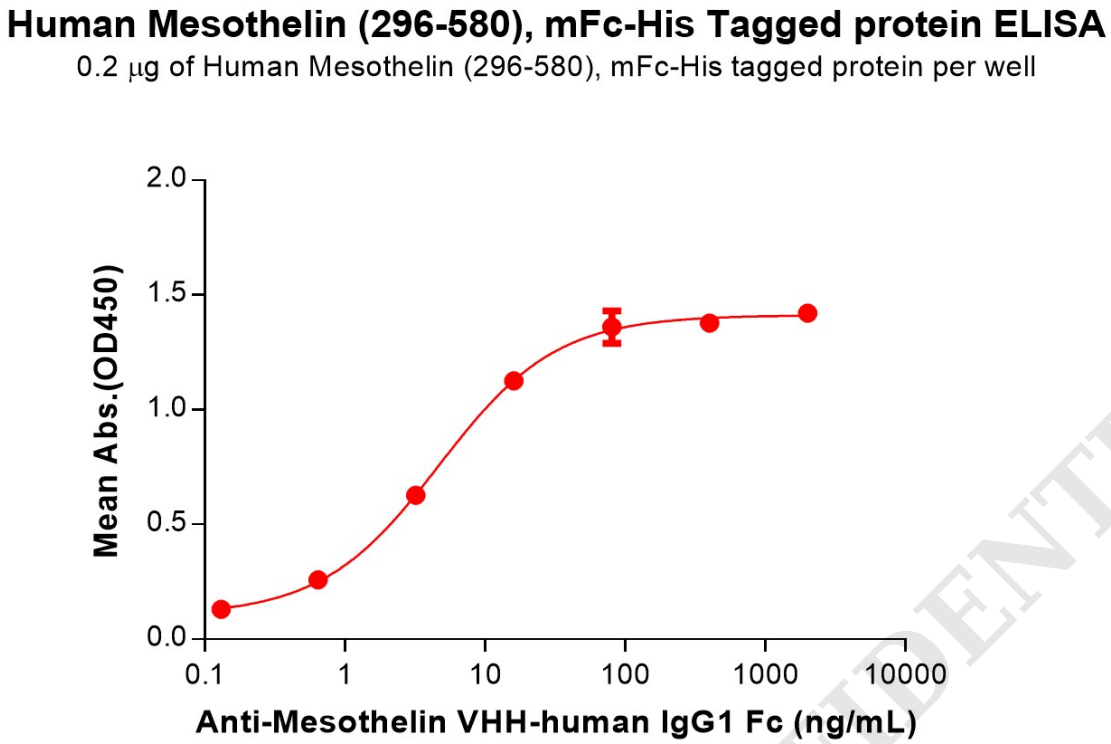



Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well)Human Mesothelin (296-580) Protein, mFc-His Tag (PME100031) can bind Anti-Mesothelin VHH-human IgG1 Fc (BME100165) in a linear range of 0.64–16 ng/mL.

DIMABIO CONFIDENTIAL

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com