

PRODUCT INFORMATION

IL6R **Target**

CD126;qp80;IL-6R-1;IL-6RA;IL6Q;IL6RA;IL6RQ **Synonyms**

Recombinant Human IL6R with C-terminal human **Description**

Fc tag

In Stock **Delivery Uniprot ID** P08887 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

IL6R(Leu20-Pro365) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

64.7 kDa after removal of the signal peptide.The **Molecular Weight** apparent molecular mass of IL6R-hFc is

approximately 70-100 kDa 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 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6

and this receptor are implicated in the

pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. A pseudogene of this gene is found on chromosome 9.

Usage Research use only Conjugate Unconjugated

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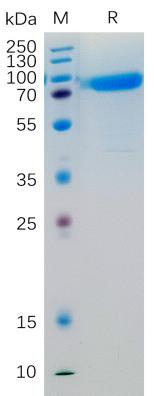


Figure 1. Human IL6R Protein, hFc Tag on SDS-PAGE under reducing condition.

Human IL6R, hFc tagged protein ELISA

0.1 μg of Human IL6R, hFc tagged protein per well

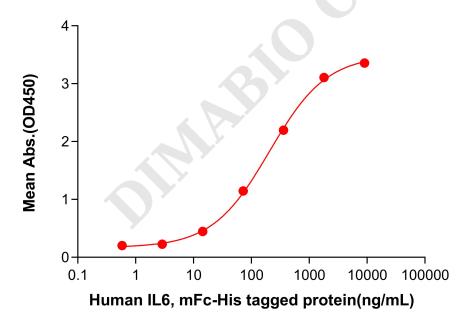


Figure 2. ELISA plate pre-coated by 1 μ g/ml (100 μ l/well) Human IL6R, hFc tagged protein (PME100535) can bind Human IL6, mFc-His tagged protein PME100032 in a linear range of 14.4-360 ng/ml.

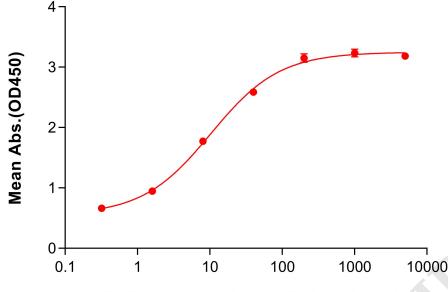
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Human IL6R, hFc Tagged protein ELISA

0.2 μg of Human IL6R, hFc tagged protein per well



Anti-IL6R(sarilumab biosimilar) mAb (ng/mL)

Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL6R Protein, hFc Tag (PME100535) can bind Anti-IL6R(sarilumab biosimilar) mAb (BME100662) in a linear range of 1.6–40 ng/mL, mouse anti-human Fab-specific antibody was used as detection antibody.

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