

## **PRODUCT INFORMATION**

IL1A **Target** 

**Synonyms** IL-1 alpha;IL-1A;IL1;IL1-ALPHA;IL1F1

Recombinant Human IL1A Protein with C-terminal Description

human Fc tag

**Delivery** In Stock **Uniprot ID** P01583 **Expression Host HEK293** 

Tag C-Human Fc Tag

Molecular

Storage & Shipping

**Background** 

IL1A(Ser113-Ala271) hFc(Glu99-Ala330) Characterization

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

44.2 kDa after removal of the signal peptide. The apparent molecular mass of IL1A-hFc is

approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 90% 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 member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune

responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in

response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease.

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[provided by RefSeq, Jul 2008]

**Usage** Research use only Conjugate Unconjugated

Figure 1. Human IL1A Protein, hFc Tag on SDS-PAGE under reducing condition.





## Human IL1A, hFc Tagged protein ELISA

0.2 μg of Human IL1A, hFc tagged protein per well

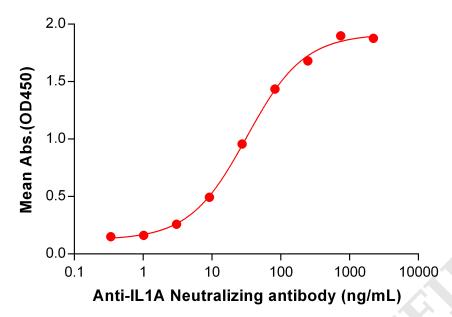


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human IL1A Protein, hFc Tag ( PME101053) can bind Anti-IL1A Neutralizing antibody BME100097 in a linear range of 3.05–740.74 ng/mL.

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