PRODUCT INFORMATION

Target	IL1A
Synonyms	IL-1 alpha;IL-1A;IL1;IL1-ALPHA;IL1F1
Description	Recombinant Human IL1A Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P01583
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	IL1A(Ser113-Ala271) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 44.2 kDa after removal of the signal peptide.The apparent molecular mass of IL1A-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 90% 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 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. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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

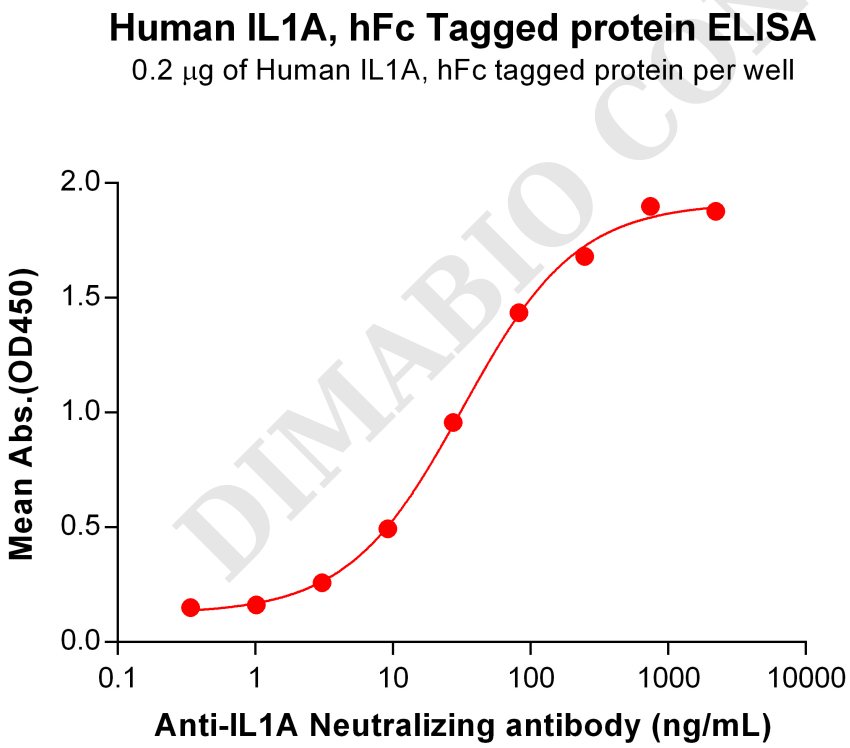


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL1A Protein, hFc Tag (PME101053) can bind Anti-IL1A Neutralizing antibody BME100097 in a linear range of 3.05–740.74 ng/mL.

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