PRODUCT INFORMATION

Target	IL6
Synonyms	IL6;Interleukin-6;BSF2;HSF;IFNB2
Description	Recombinant human IL6 protein with C-terminal mouse Fc and 6×His tag
Delivery	In Stock
Uniprot ID	P05231
Expression Host	HEK293
Tag	C-Mouse Fc and 6×His Tag
Molecular Characterization	IL6(Val30-Met212) mFc(Pro99-Lys330) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 47.9 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 cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including suspectibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Alternative splicing results in multiple transcript variants.
Usage	Research use only

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

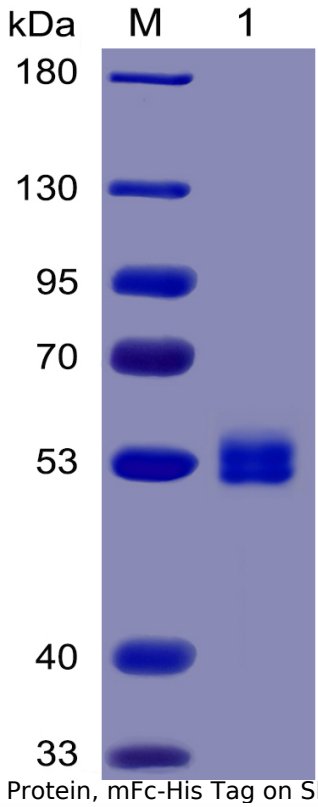

Figure 1. Human IL6 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

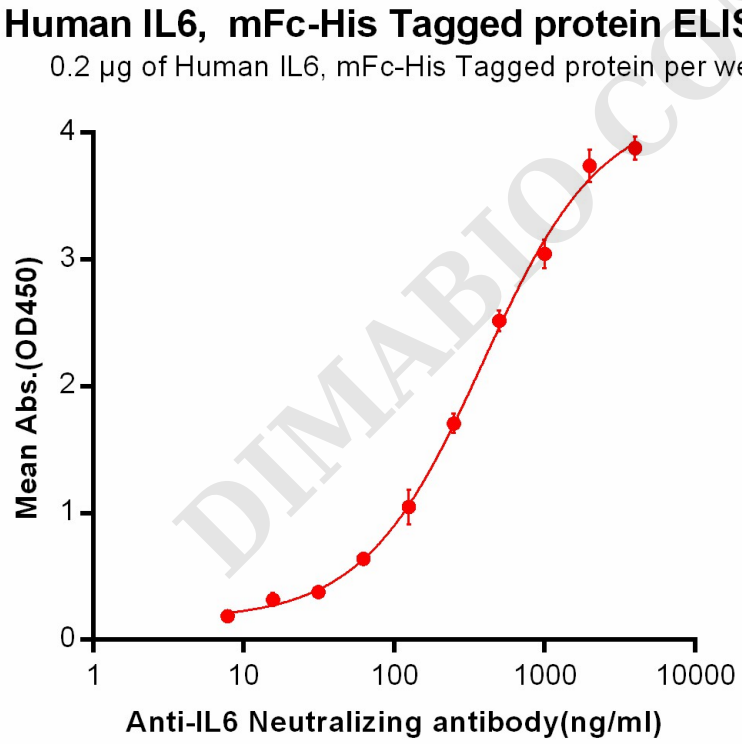

Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human IL6, mFc-His tagged protein (PME100032) can bind Anti-IL6 Neutralizing antibody BME100007 in a linear range of 7.81-386.8 ng/ml.

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

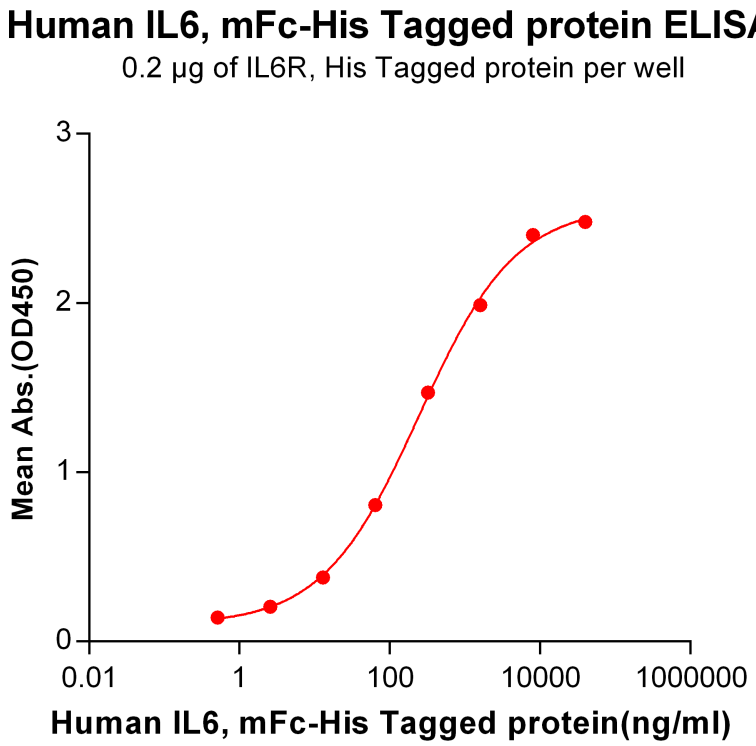

Figure 3. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human IL6R, His tagged protein PME100109 can bind Human IL6, mFc-His tagged protein (PME100032) in a linear range of 0.512-40000 ng/ml.

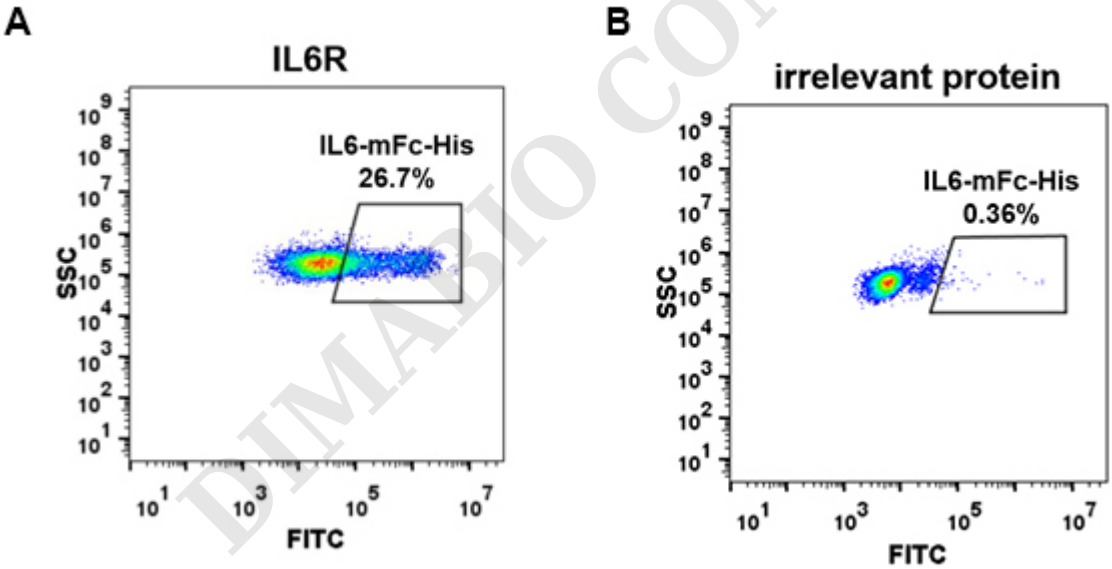

Figure 4. HEK293 cell line transfected with irrelevant protein (B) and human IL6R (A) were surface stained with Human IL6, mFc-His tagged protein (PME100032) 1μg/ml followed by Alexa 488-conjugated anti-mouse IgG secondary antibody.

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

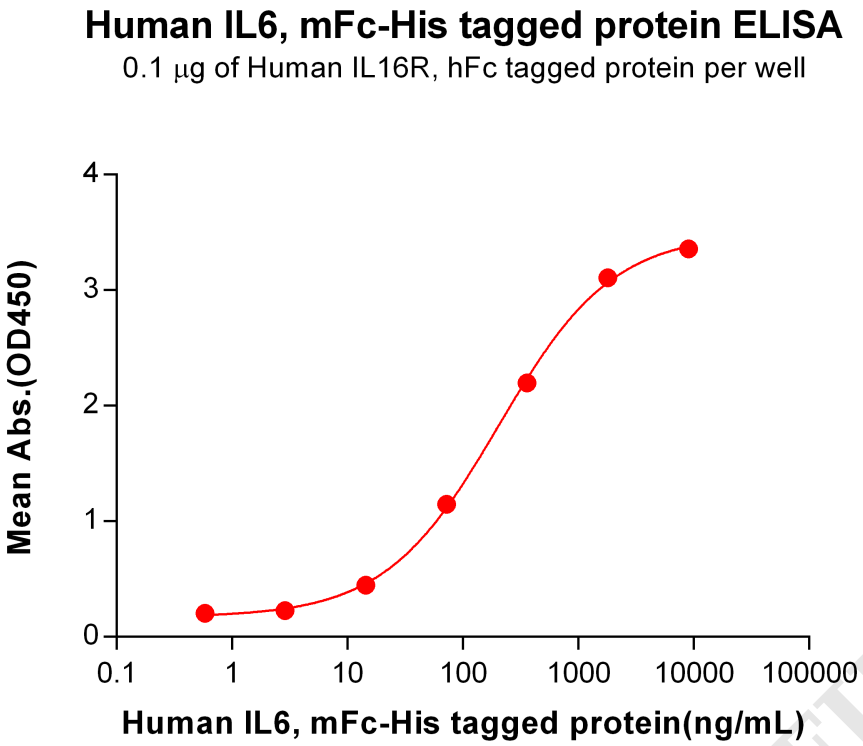

Figure 5. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human IL6R, hFc tagged protein PME100535 can bind Human IL6, mFc-His tagged protein (PME100032) in a linear range of 14.4-360 ng/ml.

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