PRODUCT INFORMATION

Target	IL21
Synonyms	IL21;Za11;Interleukin-21
Description	Recombinant Human IL21 with C-terminal Human Fc tag
Delivery	In Stock
Uniprot ID	Q9HBE4
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	IL21(Gln30-Ser162) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 41.6 kDa after removal of the signal peptide.The apparent molecular mass of IL21-hFc is approximately 35-55 kDa due to glycosylation.
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 member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]
Usage	Research use only
Conjugate	Unconjugated

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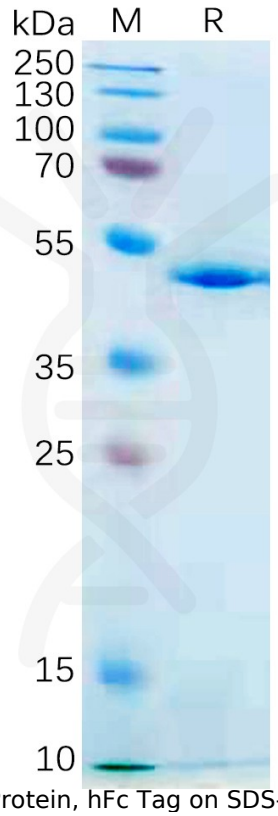


Figure 1. Human IL21 Protein, hFc Tag on SDS-PAGE under reducing condition.

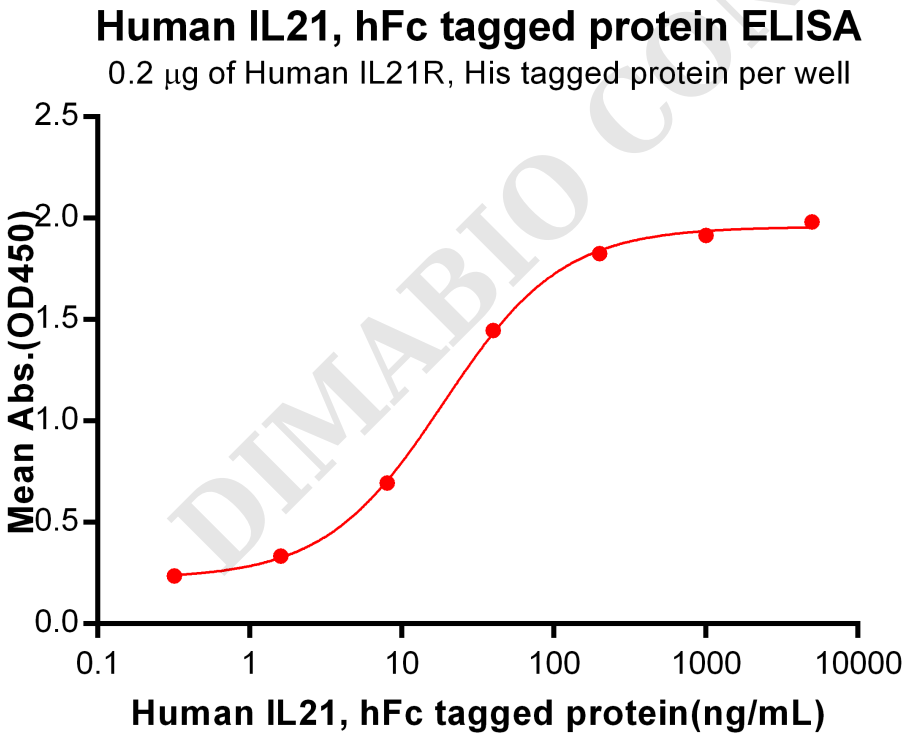


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human IL21R, His tagged protein PME100587 can bind Human IL21, hFc Tagged protein (PME101088) in a linear range of 1.6-40 ng/ml.

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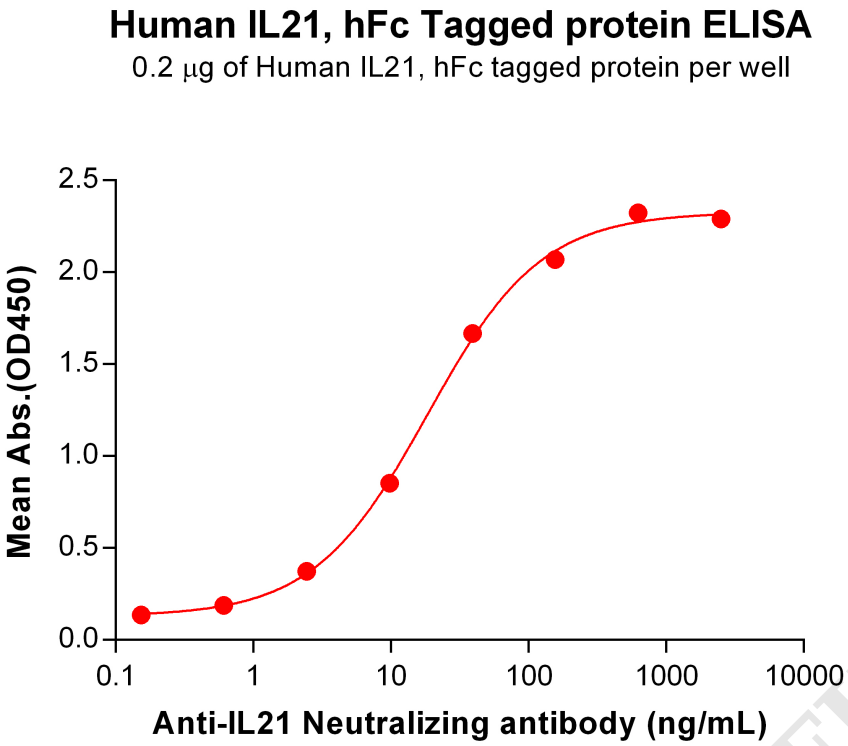


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL21 Protein, hFc Tag (PME101088) can bind Anti-IL21 Neutralizing antibody BME100103 in a linear range of 2.44–156.25 ng/mL.

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