PRODUCT INFORMATION

Target IL21

Synonyms IL21;Za11;Interleukin-21

Recombinant Human IL21 with C-terminal Human **Description**

Fc tag In Stock

Uniprot ID Q9HBE4 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

Delivery

IL21(Gln30-Ser162) hFc(Glu99-Ala330) Characterization

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 **Molecular Weight**

approximately 35-55 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 % - 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the commongamma 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

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gene. [provided by RefSeq, Dec 2011]

Usage Research use only Conjugate Unconjugated





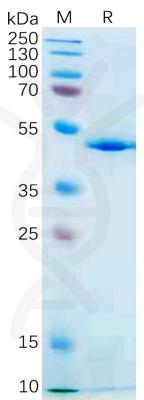


Figure 1. Human IL21 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human IL21, hFc tagged protein ELISA

0.2 μg of Human IL21R, His tagged protein per well

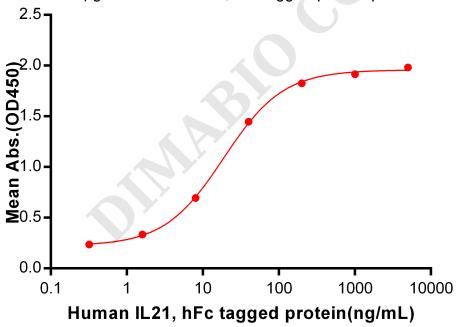


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human IL21R, His tagged protein PME100587 can bind Human IL21, hFc Tagged protein (PME101088) in a linear range of 1.6-40 ng/ml.

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Human IL21, hFc Tagged protein ELISA

0.2 μg of Human IL21, hFc tagged protein per well

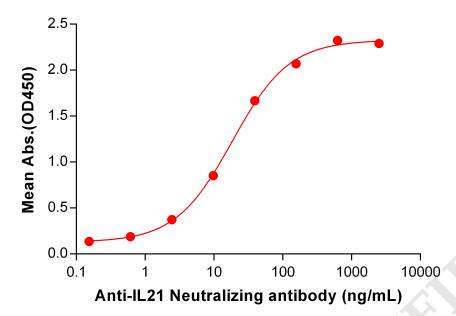


Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL21 Protein, hFc Tag (PME101088) can bind Anti-IL21 Neutralizing antibody BME100103 in a linear range of 2.44–156.25 ng/mL.

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