

PRODUCT INFORMATION

IL21 **Target**

Synonyms IL21;Za11;Interleukin-21

Recombinant Human IL21 with C-terminal 6×His **Description**

Delivery In Stock **Uniprot ID** Q9HBE4 **Expression Host HEK293**

Tag C-6×His Tag

Molecular Characterization

IL21(Gln30-Ser162) 6×His tag

The protein has a predicted molecular mass of

16.3 kDa after removal of the signal peptide. The apparent molecular mass of IL21-His is **Molecular Weight**

approximately 15-25 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, **Background** 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

> Email: info@dimabio.com Website: www.dimabio.com

gene. [provided by RefSeq, Dec 2011]

Usage Research use only Conjugate Unconjugated





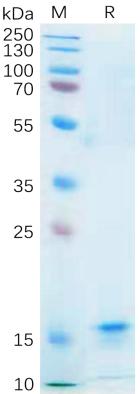


Figure 1. Human IL21 Protein, His Tag on SDS-PAGE under reducing condition.

Human IL21, His Tagged protein ELISA

0.2 μg of Human IL21, His tagged protein per well

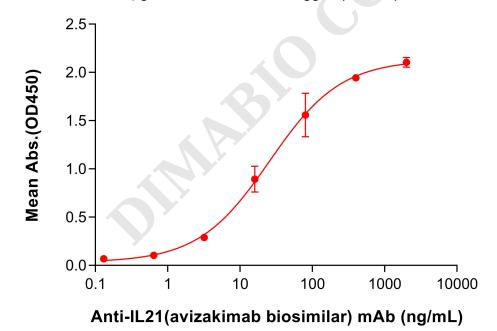


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL21 Protein, His Tag (PME100556) can bind Anti-IL21(avizakimab biosimilar) mAb (BME100103) in a linear range of 3.2–80 ng/mL.

Email: info@dimabio.com Website: www.dimabio.com

