

## PRODUCT INFORMATION

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|---|--|
| <b>Target</b>                           | IL21   |
| <b>Synonyms</b>                         | IL21;Za11;Interleukin-21   |
| <b>Description</b>                      | Recombinant Human IL21 with C-terminal 6×His tag   |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | Q9HBE4   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Tag</b>                              | C-6×His Tag  |
| <b>Molecular Characterization</b>       | IL21(Gln30-Ser162) 6×His tag   |
| <b>Molecular Weight</b>                 | 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 approximately 15-25 kDa due to glycosylation.   |
| <b>Purity</b>                           | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Formulation &amp; Reconstitution</b> | 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.  |
| <b>Storage&amp;Shipping</b>             | 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.  |
| <b>Background</b>                       | 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] |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |



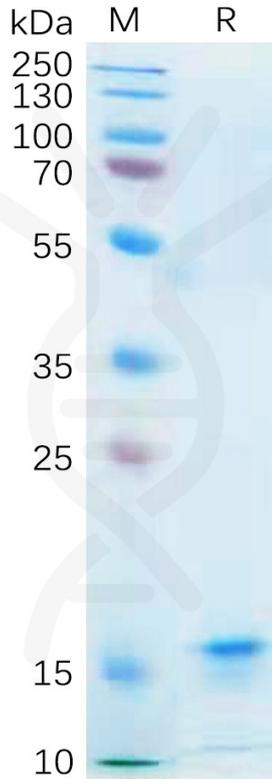


Figure 1. Human IL21 Protein, His Tag on SDS-PAGE under reducing condition.

### Human IL21, His Tagged protein ELISA

0.2 µg of Human IL21, His tagged protein per well

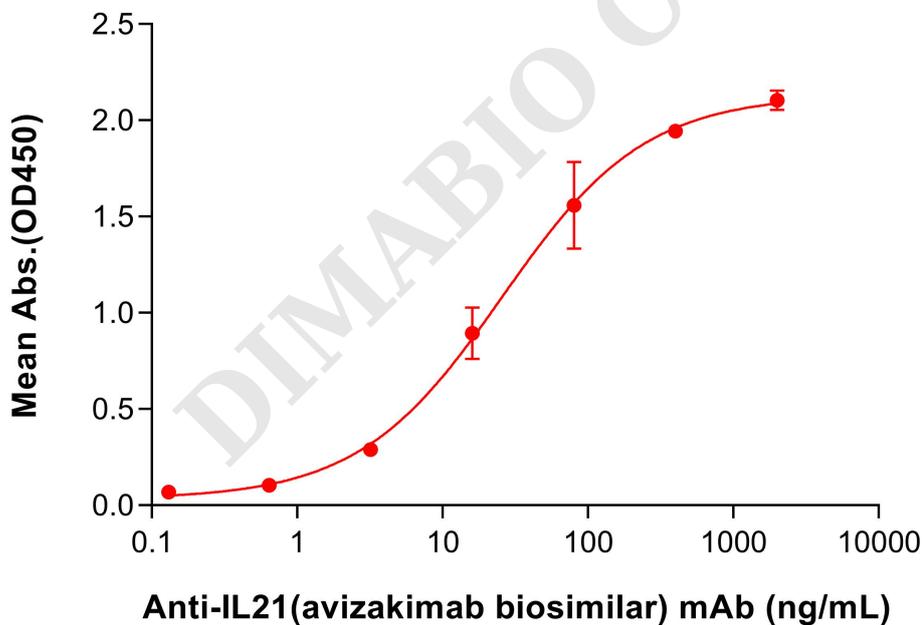


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL21 Protein, His Tag (PME100556) can bind Anti-IL21(avizakimab biosimilar) mAb (BME100103) in a linear range of 3.2–80 ng/mL.

