

## **PRODUCT INFORMATION**

**Target** IL31RA

CRL; GPL; CRL3; GLMR; GLM-R; PLCA2; hGLM-R; **Synonyms** 

IL-31RA; PRO21384; zcytoR17

Recombinant human IL31RA(20-225) Protein with **Description** 

C-terminal human Fc tag

Delivery In Stock **Uniprot ID Q8NI17 Expression Host HEK293** 

C-Human Fc tag Tag

Molecular

**Purity** 

**Background** 

IL31RA(Ala20-Glu225) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

50.1 kDa after removal of the signal peptide. The apparent molecular mass of IL31RA(20-225)-hFc **Molecular Weight** is approximately 55-100 kDa due to glycosylation.

The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis 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 at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene belongs to the type I cytokine receptor family. This receptor, with homology to gp130, is expressed on monocytes, and is involved in IL-31 signaling via activation of STAT-3 and STAT-5. It functions

either as a monomer, or as part of a receptor complex with oncostatin M receptor (OSMR). Several alternatively spliced transcript variants encoding different isoforms have been noted for

this gene.[provided by RefSeq, Jun 2011]

Usage Research use only Conjugate Unconjugated

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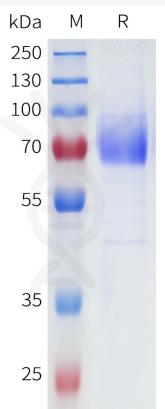


Figure 1. Human IL31RA(20-225) Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human IL31RA(20-225), hFc Tagged protein ELISA

0.2 μg of Human IL31RA(20-225), hFc tagged protein per well

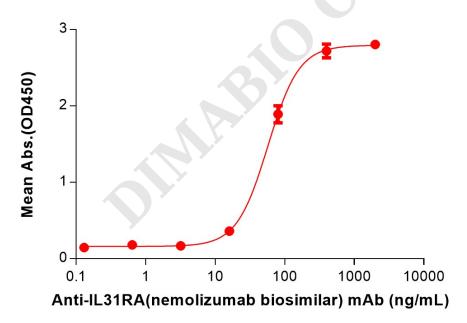


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human IL31RA(20-225) Protein, hFc Tag (PME101699) can bind Anti-IL31RA(nemolizumab biosimilar) mAb (BME100231) in a linear range of 3.20–400 ng/mL.

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