

## **PRODUCT INFORMATION**

**Target IL31** 

**Synonyms** Interleukin-31;IL-31

Recombinant human IL31 protein with C-terminal **Description** 

human Fc tag

**Delivery** In Stock Q6EBC2 **Uniprot ID Expression Host HEK293** 

Tag C-Human Fc Tag

Molecular

Reconstitution

**Background** 

IL31(Ser24-Thr164) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 42

kDa after removal of the signal peptide. The **Molecular Weight** apparent molecular mass of IL31-hFc is

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 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

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.

IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively

expressed on epithelial cells and keratinocytes.

IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar

20081

Usage Research use only

Conjugate Unconjugated



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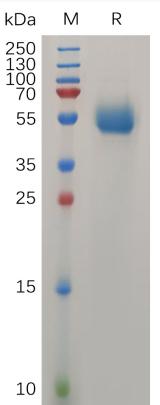


Figure 1. Human IL31 Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human IL31 Protein, hFc Tag ELISA

0.2 μg of Human IL31, hFc tagged protein per well

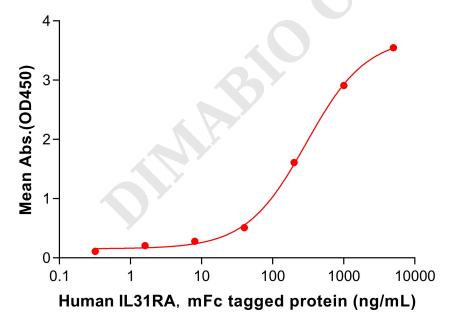


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human IL31 Protein, hFc Tag (PME100739) can bind Human IL31RA Protein, mFc Tag (PME101598) in a linear range of 200–1000 ng/mL.

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