

PRODUCT INFORMATION

IL5 **Target**

Synonyms IL-5;TRF;Interleukin-5;EDF

Recombinant Human IL5 protein with C-terminal **Description**

human Fc tag

Delivery In Stock **Uniprot ID** P05113 **Expression Host HEK293**

C-Human Fc Tag Tag

Molecular

Background

IL5(Ile20-Ser134) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

39.3 kDa after removal of the signal peptide. The apparent molecular mass of IL5-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 % 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 cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil

formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on the processing for interleuking a cytoking gene is located on the colony.

chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2. This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on

chromosome 5q31.

Usage Research use only

Conjugate Unconjugated

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







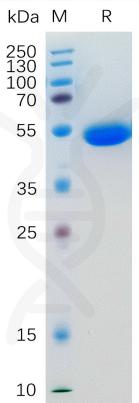


Figure 1. Human IL5 Protein, hFc Tag on SDS-PAGE under reducing condition.

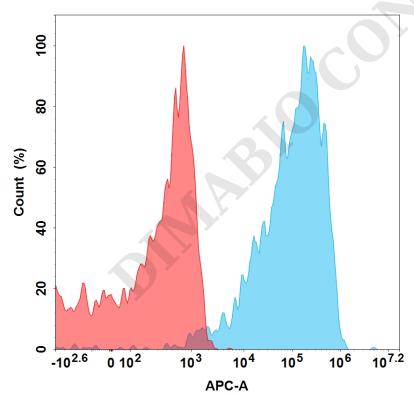


Figure 2. Flow cytometry analysis with 15 μ g/mL Human IL5 Protein, hFc Tag (PME100537) on Expi293 cells transfected with Human IL5RA protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).





Human IL5,hFc Tagged protein ELISA

0.2 μg of Human IL5, hFc tagged protein per well

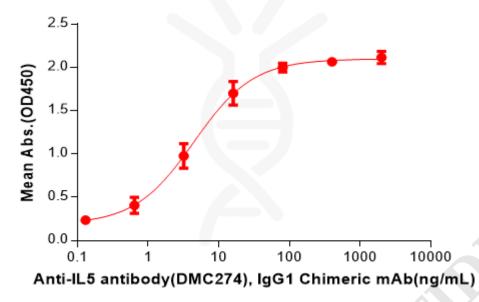


Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL5 Protein, hFc Tag(PME100537) can bind Anti-IL5 antibody(DMC274), IgG1 Chimeric mAb in a linear range of 0.64–16 ng/mL.



