

Datasheet for ABIN7092704
IL-5 Protein (AA 20-134) (Fc Tag)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	IL-5 (IL5)
Protein Characteristics:	AA 20-134
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-5 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human IL5 protein with C-terminal human Fc tag
Specificity:	IL5 (Ile20-Ser134) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL-5 (IL5)
Alternative Name:	IL5 (IL5 Products)
Background:	This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells

Target Details

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 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.

Molecular Weight: predicted molecular mass of 39.3 kDa after removal of the signal peptide. The apparent molecular mass of IL5-hFc is 35-55 kDa due to glycosylation.

Gene ID: 3567

UniProt: [P05113](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Peptide Hormone Secretion](#), [Production of Molecular Mediator of Immune Response](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

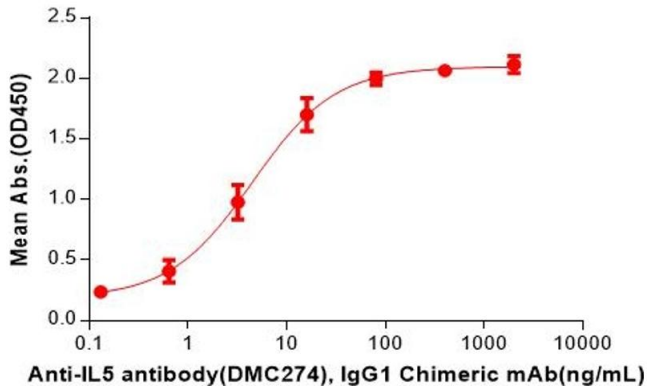
Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months

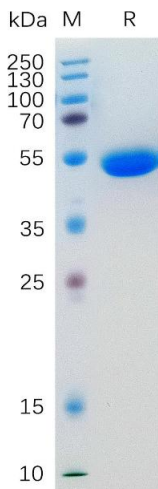
Human IL5,hFc Tagged protein ELISA

0.2 µg of Human IL5, hFc tagged protein per well



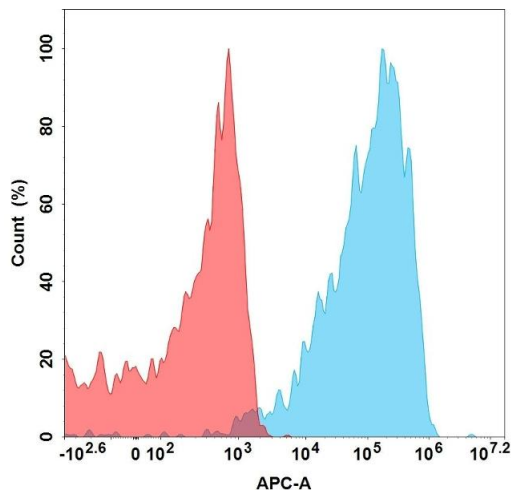
ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL5 Protein, hFc Tag (ABIN7092704, ABIN7272208 and ABIN7272209) can bind Anti-IL5 antibody, IgG1 Chimeric mAb in a linear range of 0.64-16 ng/mL.



SDS-PAGE

Image 2. Human IL5 Protein, hFc Tag on SDS-PAGE under reducing condition.



Flow Cytometry

Image 3. Flow cytometry analysis with 15 µg/mL Human IL5 Protein, hFc Tag (ABIN7092704, ABIN7272208 and ABIN7272209) on Expi293 cells transfected with Human IL5RA protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).