PRODUCT INFORMATION

Target IL5RA

IL5Ra;CD125;IL-5 R alpha **Synonyms**

Recombinant human L5RA protein with C-terminal Description

6×His tag

Delivery In Stock **Uniprot ID** Q01344 **Expression Host HEK293** Tag C-6×His Tag

Molecular

Background

IL5RA(Asp21-Pro338) 6×His tag Characterization

The protein has a predicted molecular mass of

37.0 kDa after removal of the signal peptide. The apparent molecular mass of ILSRA-His is **Molecular Weight**

approximately 50-55 kDa due to glycosylation.

The purity of the protein is greater than 90% 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.

The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the

ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of

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

the transcription factor SOX4. Several

alternatively spliced transcript variants encoding four distinct isoforms have been reported.

Usage Research use only Conjugate Unconjugated

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)



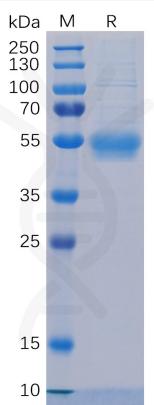
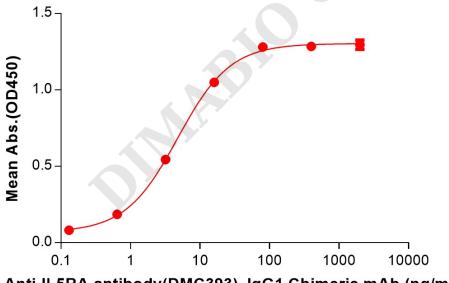


Figure 1. Human IL5RA Protein, His Tag on SDS-PAGE under reducing condition.

Human IL5RA, His Tagged protein ELISA

0.2 μg of Human IL5RA, His tagged protein per well



Anti-IL5RA antibody(DMC393), IgG1 Chimeric mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL5RA Protein, His Tag (PME100093) can bind Anti-IL5RA antibody(DMC393), IgG1 Chimeric mAb in a linear range of 0.64–16 ng/mL.

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



Human IL5RA, His Tagged protein ELISA

0.2 μg of Human IL5RA, His tagged protein per well

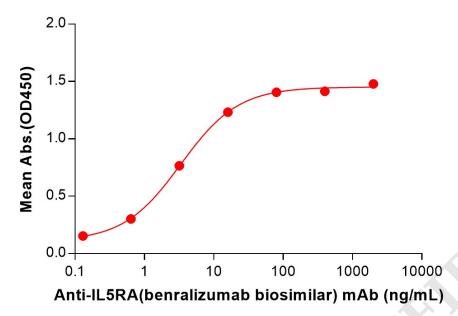


Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL5RA Protein, His Tag (PME100093) can bind Anti-IL5RA(benralizumab biosimilar) mAb (BME100221) in a linear range of 0.13–16 ng/mL.

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

