

PRODUCT INFORMATION

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| Target | IL4RA |
| Synonyms | CD124;IL-4RA;IL4RA |
| Description | Recombinant Human IL4RA with C-terminal mouse Fc tag |
| Delivery | In Stock |
| Uniprot ID | P24394 |
| Expression Host | HEK293 |
| Tag | C-Mouse Fc Tag |
| Molecular Characterization | IL4RA(Met26-His232) mFc(Pro99-Lys330) |
| Molecular Weight | The protein has a predicted molecular mass of 49.8 kDa after removal of the signal peptide. The apparent molecular mass of IL4RA-mFc is approximately 70-100 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | 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. |
| Background | This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants. |
| Usage | Research use only |
| Conjugate | Unconjugated |



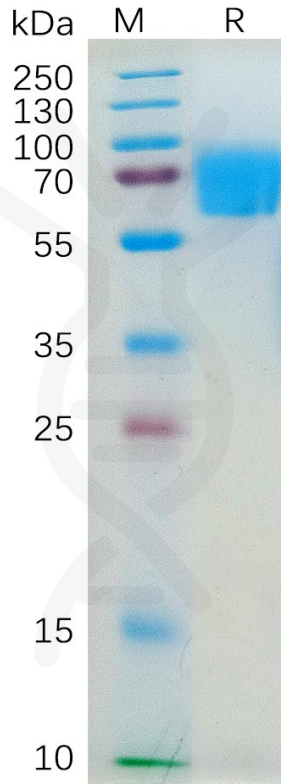


Figure 1. Human IL4RA Protein, mFc Tag on SDS-PAGE under reducing condition.

Human IL4RA,mFc Tagged protein ELISA

0.2 µg of Human IL4RA, mFc tagged protein per well

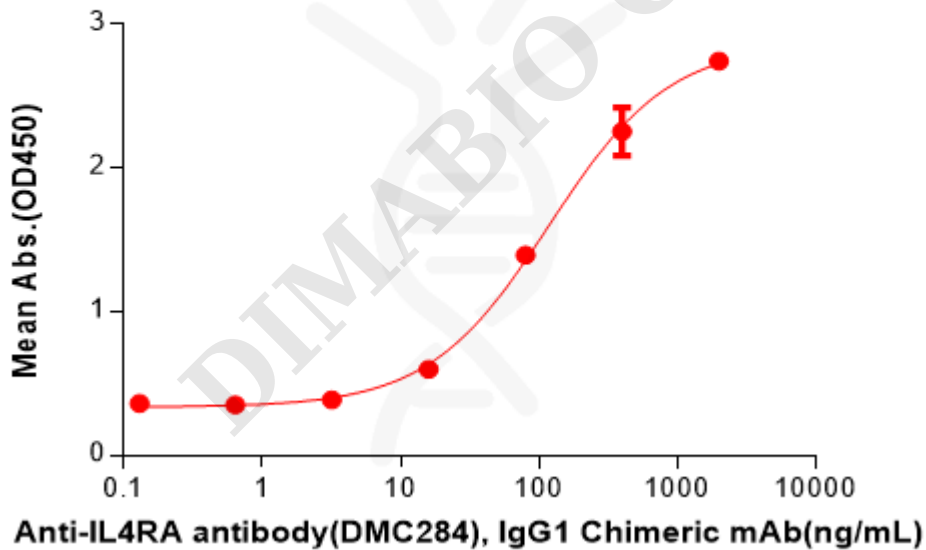


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL4RA Protein, mFc Tag(PME100551) can bind Anti-IL4RA antibody(DMC284), IgG1 Chimeric mAb in a linear range of 16.0-400 ng/mL.



Human IL4RA, mFc Tagged protein ELISA

0.2 μ g of Human IL4RA, mFc tagged protein per well

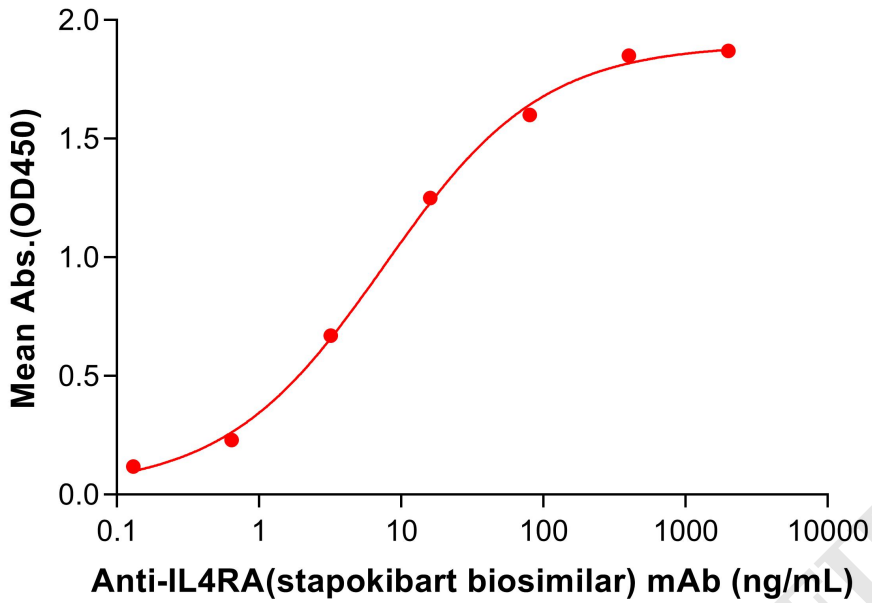


Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL4RA Protein, mFc Tag (PME100551) can bind Anti-IL4RA(stapokibart biosimilar) mAb (BME100677) in a linear range of 3.2-16 ng/mL.

