PRODUCT INFORMATION

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, sinusitus, 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

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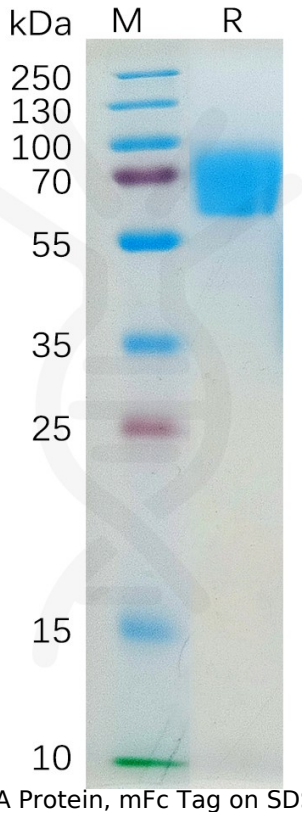


Figure 1. Human IL4RA Protein, mFc Tag on SDS-PAGE under reducing condition.

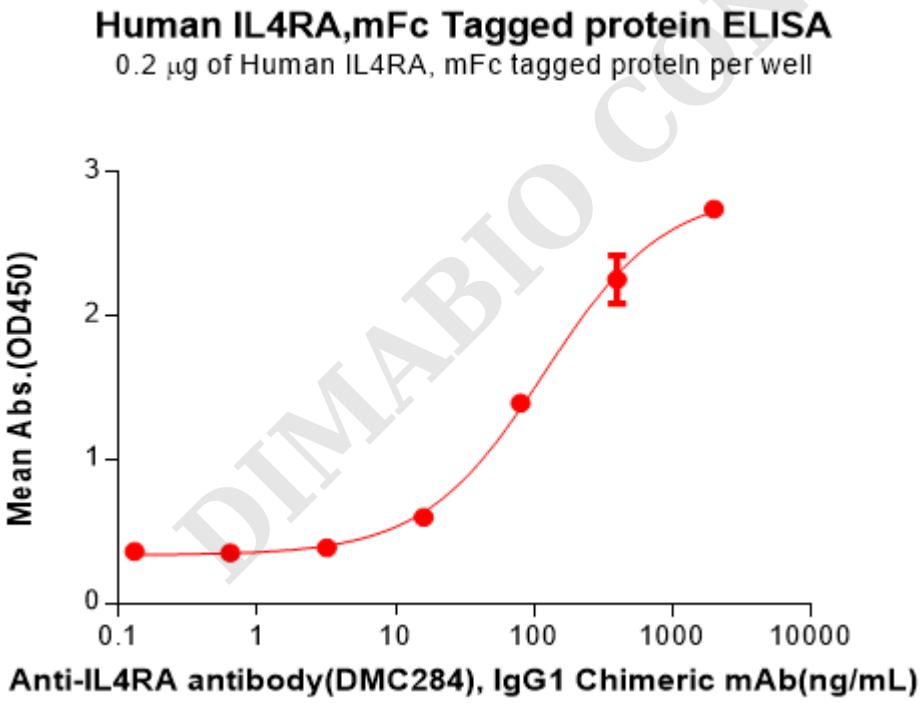


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL4RA Protein, mFc Tag(PME100551) can bind Anti-IL4RA antibody(DMC284), IgG1 Chimeric mAb in a linear range of 16.0–400 ng/mL.

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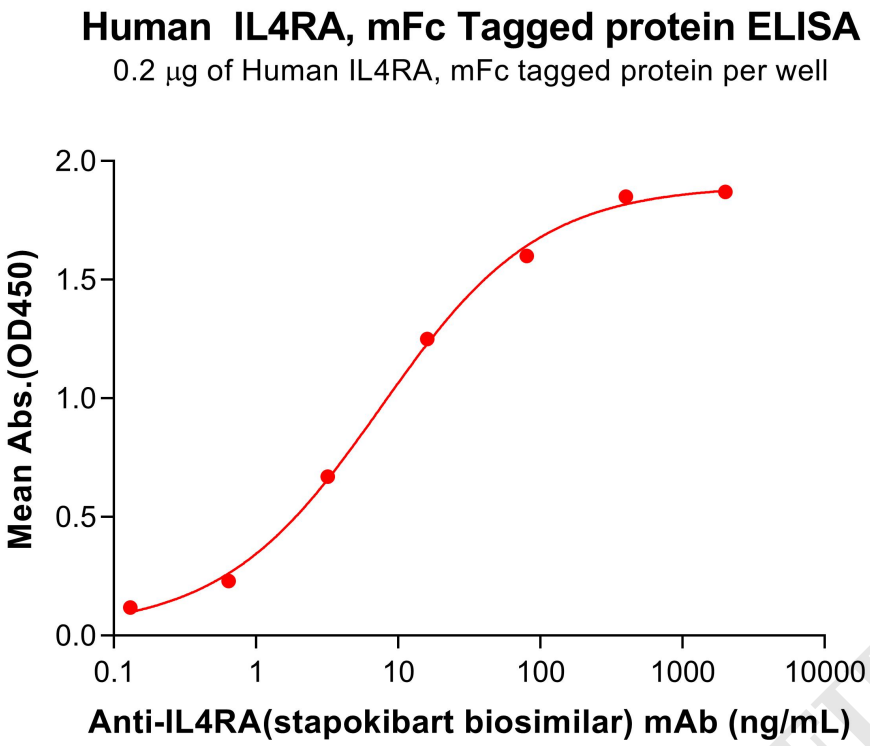


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL4RA Protein, mFc Tag (PME100551) can bind Anti-IL4RA(stapokibart biosimilar) mAb (BME100677) in a linear range of 3.2–16 ng/mL.

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