

Datasheet for ABIN7092716

IL4 Receptor Protein (AA 26-232) (mFc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	IL4 Receptor (IL4R)
Protein Characteristics:	AA 26-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL4 Receptor protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human IL4RA with C-terminal mouse Fc tag
Specificity:	IL4RA (Met26-His232) mFc (Pro99-Lys330)
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:	IL4 Receptor (IL4R)
Alternative Name:	IL4RA (IL4R Products)
Background:	This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein

Target Details

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.

Molecular Weight: predicted molecular mass of 49.8 kDa after removal of the signal peptide. The apparent molecular mass of IL4RA-mFc is 70-100 kDa due to glycosylation.

UniProt: [P24394](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#)

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.

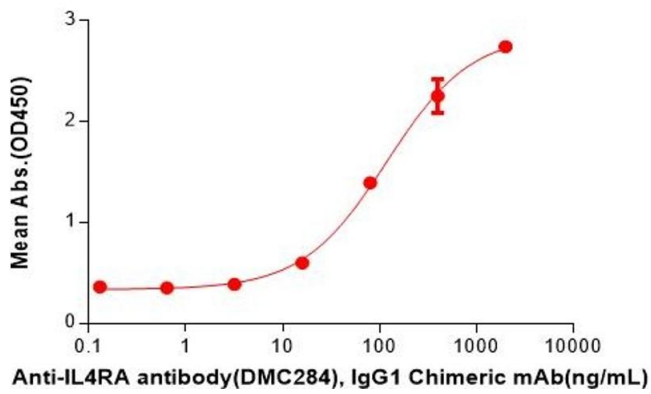
Storage: -20 °C, -80 °C

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

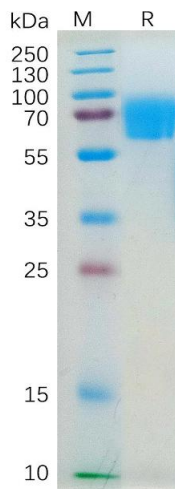
Human IL4RA, mFc Tagged protein ELISA

0.2 µg of Human IL4RA, mFc tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL4RA Protein, mFc Tag (ABIN7092716, ABIN7272256 and ABIN7272257) can bind Anti-IL4RA antibody, IgG1 Chimeric mAb in a linear range of 16.0-400 ng/mL.



SDS-PAGE

Image 2. Human IL4RA Protein, mFc Tag on SDS-PAGE under reducing condition.