

## HUMAN IL4RA PROTEIN, HIS TAG

**Cat.#:** 11352

**Product Name:** Human IL4RA Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD124;IL-4RA;IL4RA

**Target:** IL4RA

**UNIPROT ID:** P24394

**Description:** Recombinant human IL4RA protein with C-terminal 6xHis tag

**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.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 24.6 kDa after removal of the signal peptide. The apparent molecular mass of IL4RA-His is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** IL4RA(Met26-His232) 6×His tag

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**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.

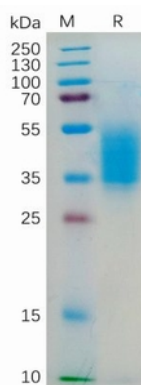


Figure 1. Human IL4RA Protein, His Tag on SDS-PAGE under reducing condition.

### Human IL-4RA, His Tagged protein ELISA

0.1 µg of Human IL-4RA, His Tagged protein per well

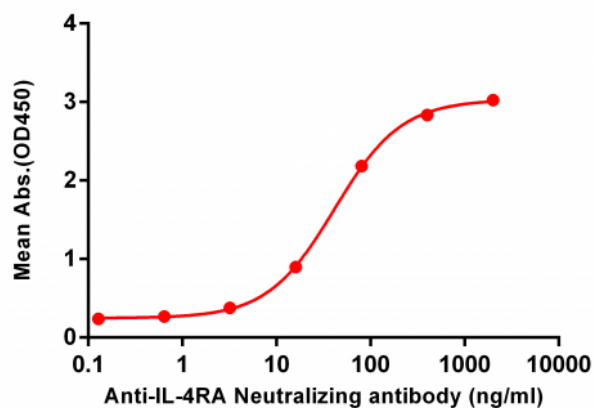


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human IL-4RA, His tagged protein (11352) can bind Anti-IL-4RA Neutralizing antibody 28060 in a linear range of 16-80 ng/ml.