

HUMAN IL17RA PROTEIN, HIS TAG

Cat.#: 11279

Product Name: Human IL17RA Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD217;Dw217;L-17RA;L17R;ANDF5;IL-17R

Target: IL17RA

UNIPROT ID: Q96F46

Description: Recombinant human IL17RA protein with C-terminal 6xHis tag

Background: Interleukin 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The transmembrane protein encoded by this gene (interleukin 17A receptor, IL17RA) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure. Alternative splicing results in multiple transcript variants encoding different isoforms.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.3 kDa after removal of the signal peptide.

Molecular Characterization: IL17RA(Leu33-Trp320) 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.

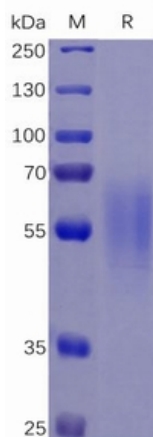


Figure 1. Human IL17RA Protein, His Tag on SDS-PAGE under reducing condition.

Human IL17RA, His Tagged protein ELISA

0.2 µg of Human IL17RA, His Tagged protein per well

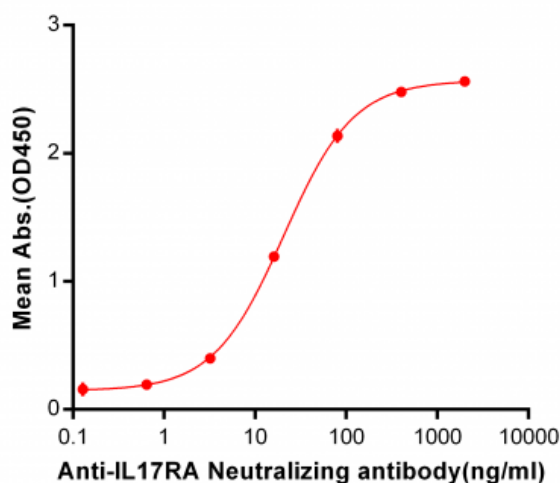


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human IL17RA, His tagged protein (11279) can bind Anti-IL17RA Neutralizing antibody 28047 in a linear range of 3.2-80 ng/ml.

