PRODUCT INFORMATION

Target	IL17RA
Synonyms	CD217;CDw217;IL-17RA;IL17R;CANDF5;hIL-17R
Description	Recombinant human IL17RA protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q96F46
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	IL17RA(Leu33-Trp320) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 34.3 kDa after removal of the signal peptide.
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	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.
Usage	Research use only
Conjugate	Unconjugated

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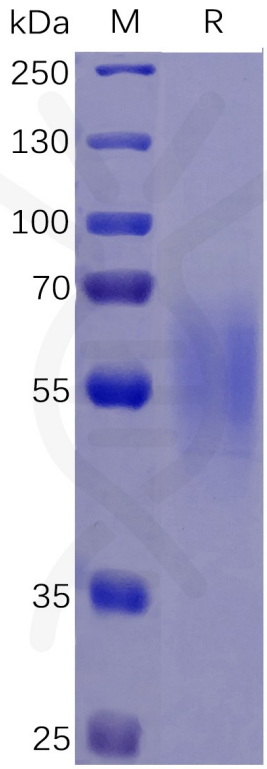


Figure 1. Human IL17RA Protein, His Tag on SDS-PAGE under reducing condition.

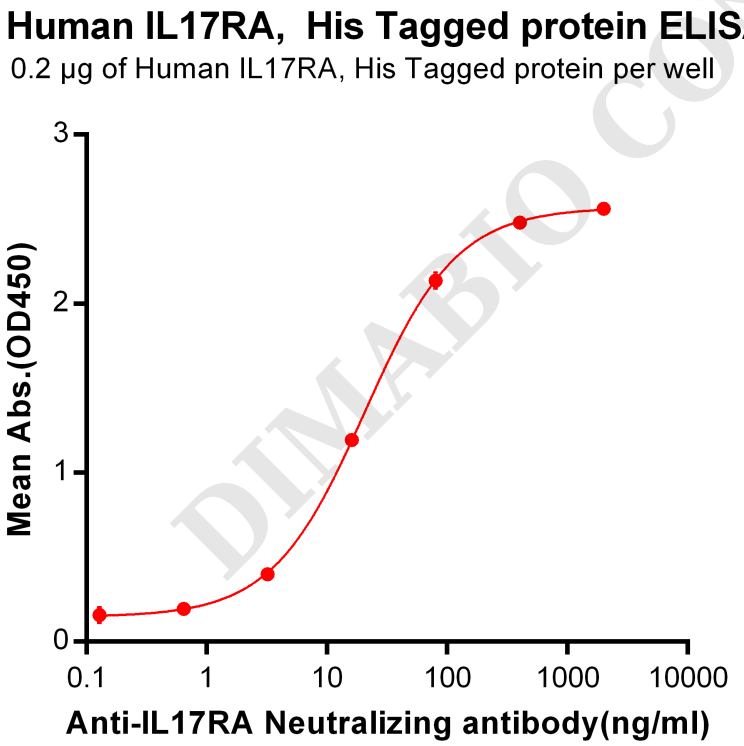


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human IL17RA, His tagged protein (PME100468) can bind Anti-IL17RA Neutralizing antibody BME100038 in a linear range of 3.2-80 ng/ml.

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