

IL-17RA Protein, Human, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	CD217;IL17RA;interleukin 17 receptor A;IL17Rinterleukin-17 receptor A
Protein Construction:	Leu33-Trp320
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q96F46
Molecular Weight:	50-80 KDa (reducing condition)
AA Sequence:	Leu33-Trp320

QC Testing

Biological Activity:	<ol style="list-style-type: none">1. Loaded Biotinylated Human IL-17RA-His-Avi on HIS1K Biosensor, can bind Biotinylated Human IL-17RA-Fc with an affinity constant of 0.18 nM as determined in BLI assay. (Regularly tested)2. Immobilized Human IL-17F at 2µg/ml (100 µl/well) can bind Biotinylated Human IL-17RA-His-Avi. The ED50 of Biotinylated Human IL-17RA-His-Avi is 0.11 ug/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

CD217, also known as Interleukin-17 receptor A, is a T cell expressed pleotropic cytokine with 866 amino acids in length. CD217 functions as receptors for IL17A and IL17F, it binds to IL17A with higher affinity than to IL17F and

A DRUG SCREENING EXPERT

binds IL17A and IL17F homodimers as part of a heterodimeric complex with IL17RC. It also binds heterodimers formed by IL17A and IL17F as part of a heterodimeric complex with IL17RC. The activation of IL17RA would lead to induction of expression of inflammatory chemokines and cytokines such as CXCL1, CXCL8/IL8 and IL6. The signaling events of IL 17 includes activation of NF kappa B and JNK, and require TNF receptor associated factors 6 (TRAF6) in the signaling pathway.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481