

Catalog Number: 230-30219

Recombinant Human Interleukin-17A (IL-17A)**Source**

Species	Human
Accession Number	Q16552
Gene Symbol	IL17A
Expressed Region	Gly24-Ala155
Synonyms	Interleukin-17A, Interleukin 17A, Interleukin 17 (Cytotoxic T-Lymphocyte-Associated Serine Esterase 8), CTLA-8, IL-17A, CTLA8, IL-17, IL17.

Preparation

Expression System	Human embryonic kidney 293 (HEK293) cells
Tag	N-terminal His-tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	>90%
Purity Determined By	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
Molecular Weight	Recombinant protein product has a calculated molecular mass of 18 kDa. Due to the abundant glycosylation, it migrates as approximately 18 and 22 kDa major protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. The 22-kDa protein band was glycosylated form. See deglycosylation analysis image below.

Protein Specifications

Format	Liquid
Formulation	Supplied as a 0.2 um filtered solution in PBS (pH 7.4)
Concentration	Lot specific (see the label on the vial), determined by BCA protein assay
Endotoxin Level	0.5 EU per ?g of the protein as determined by the LAL method
Recommended Applications	Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.

SDS-PAGE Image

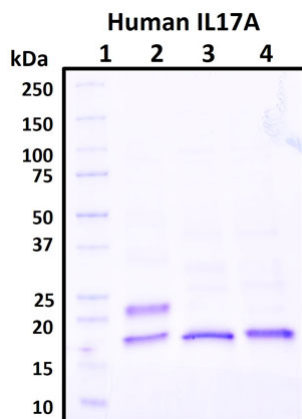


Figure 1. Deglycosylation analysis of purified recombinant proteins. The same amount of purified proteins were untreated (Lane 2) or treated with protein deglycosylation enzymes under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein to produce one reduced band at the expected size, thus indicating that the untreated recombinant protein (Lane 2) was glycosylated.

Lane 1: protein standard ladder (kDa).

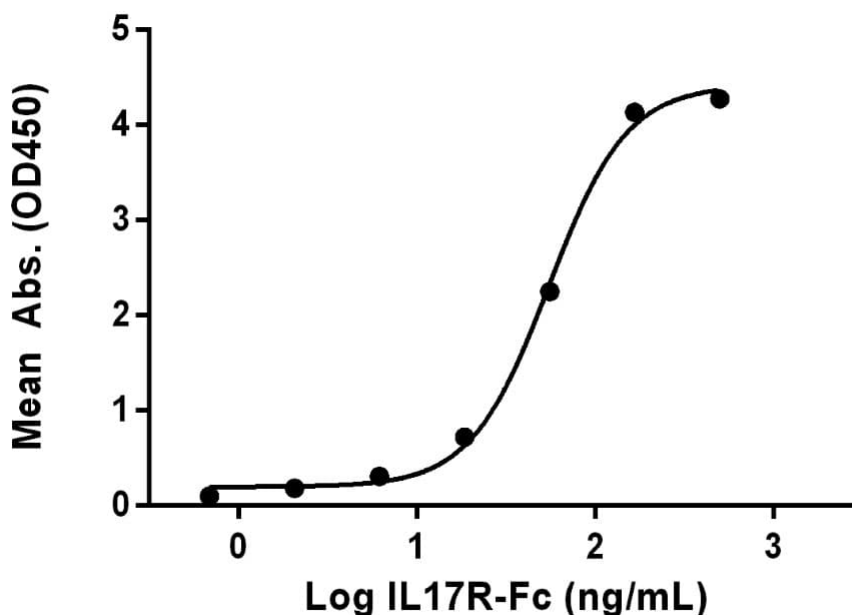
Lane 2: untreated protein.

Lane 3: treated protein with deglycosylation enzymes under native conditions.

Lane 4: treated protein with deglycosylation enzymes under denature conditions.

Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant IL17A can bind IL17R-Fc with EC50 at 54.44 ng/mL.



Shipping

Ice packs

Storage/Stability

Upon arrival, the protein may be stored for 2 weeks at 4 °C. For long term storage, it is recommended to store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.