

Biotinylated Human IL-17A Protein; His-Avi Tag

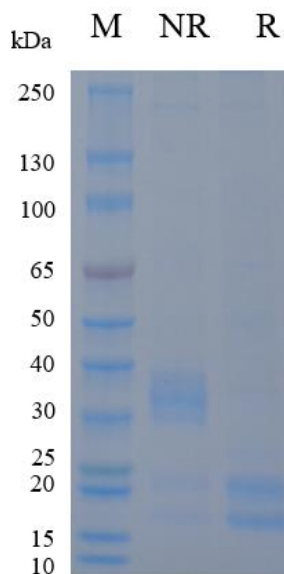
Product Information

Product Name	Biotinylated Human IL-17A Protein; His-Avi Tag
Storage temp.	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88035RP-25 / 25 μg GM-88035RP-200 / 200 μg

Protein Information

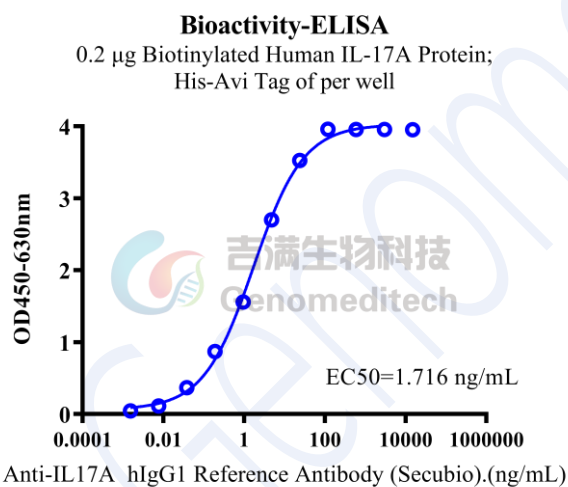
Alternative Names	IL-17A, Interleukin-17A, CTLA-8, IL-17
Source	Biotinylated Human IL-17A Protein; His-Avi Tag (GM-88035RP) is expressed from human 293 cells (HEK-293). It contains AA Gly 24 - Ala 155 (Accession # Q16552-1). This protein carries a His-Avi tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	17.7 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	IL-17A (Interleukin-17A, also known as CTLA-8) is a cytokine produced by T cells and belongs to the IL-17 family. It plays a critical role in many immune responses, particularly in the regulation of inflammation and autoimmune diseases. IL-17A promotes inflammatory responses and participates in tissue repair by stimulating other immune cells, such as macrophages and fibroblasts, to produce pro-inflammatory cytokines and chemokines. IL-17A plays an important role in various diseases, such as rheumatoid arthritis, psoriasis, and several chronic inflammatory conditions. Due to its significance in pathological processes, IL-17A and its signaling pathways have become a focal point of research in the biopharmaceutical field, with targeted therapies being developed to improve the prognosis of patients with these conditions.

SDS-PAGE



On SDS-PAGE under non-reducing (NR) condition and reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Biotinylated Human IL-17A Protein; His-Avi Tag (Catalog # GM-88035RP) was immobilized at 2 µg/ml (100 µL/well) on streptavidin precoated. Increasing concentrations of Anti-IL17A hIgG1 Reference Antibody (Secubio) (Catalog # GM-87353MAB) were added.