

Biotinylated Human IL-11 Protein; His-Avi Flag Tag

Product Information

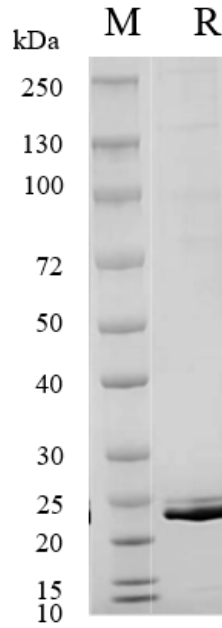
Product Name	Biotinylated Human IL-11 Protein; His-Avi Flag Tag
Storage temp.	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-87673RP-25 / 25 μg GM-87673RP-200 / 200 μg

Protein Information

Alternative Names	IL-11, Interleukin-11, AGIF, Oprelvekin, IL11
Source	Biotinylated Human IL-11 Protein; His-Avi Flag Tag (GM-87673RP) is expressed from human 293 cells (HEK-293). It contains AA Pro 22 - Leu 199 (Accession # P20809-1). This protein carries a His-Avi tag at the N-terminus. This protein carries a Flag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	22.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.4.
Description	IL-11 (Interleukin-11) is a cytokine that belongs to the interleukin family. It is primarily secreted by fibroblasts, macrophages, and certain types of lymphocytes. IL-11 plays an important role in various physiological and pathological processes, particularly in immune responses, inflammatory reactions, and tissue repair and regeneration. IL-11 can influence the function of lymphocytes, promoting the proliferation and activation of certain immune cells. It is involved in both acute and chronic inflammatory processes and may contribute to the maintenance of pathological inflammation. After injury and surgery, IL-11 helps promote the proliferation of fibroblasts and collagen synthesis, facilitating tissue healing. IL-11 may have detrimental effects in certain diseases; for instance, in fibrosis, rheumatoid arthritis, and some cancers, its overexpression could lead to pathological conditions. Due to the role of IL-11 in various diseases, researchers are exploring therapeutic strategies targeting IL-11 to develop new drugs, particularly for the treatment of fibrosis and certain types of cancer.

Version:3.3

SDS-PAGE

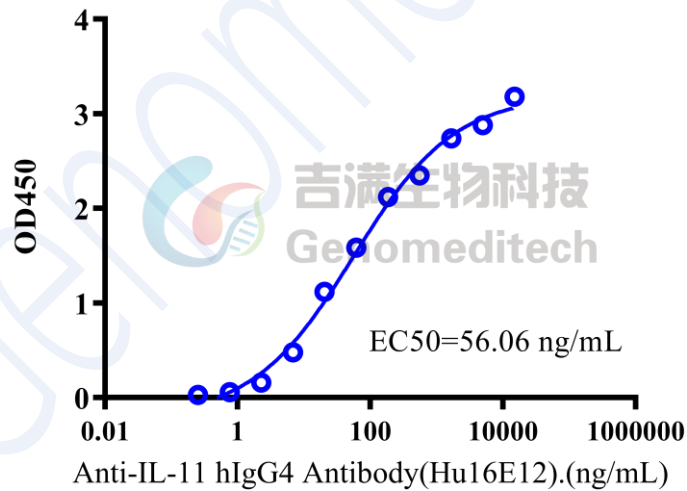


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

Bioactivity-ELISA

0.1 μg Biotinylated Human IL-11 Protein; His-Avi Flag Tag of per well



Biotinylated Human IL-11 Protein; His-Avi Flag Tag (Catalog # GM-87673RP) was immobilized at 1 $\mu\text{g}/\text{ml}$ (100 $\mu\text{L}/\text{well}$) on streptavidin precoated. Increasing concentrations of Anti-IL-11 hIgG4 Antibody (Hu16E12) (Catalog # GM-57288AB) were added.