

Cynomolgus IL-12B Protein; His Tag

Product Information

Product Name	Cynomolgus IL-12B Protein; His 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-88974RP-100 / 100 μg GM-88974RP-1000 / 1 mg

Protein Information

Alternative Names	IL12B, CLMF, CLMF2, NKSF, NKSF2, p40
Source	Cynomolgus IL-12B Protein; His Tag (GM-88974RP) is expressed from human 293 cells (HEK-293). It contains AA Ile 23 - Ser 328 (Accession # A0A2K5TM36). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	35.6 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	L-12B (Interleukin-12B) is a crucial cytokine involved in the regulation of immune responses. It is primarily produced by immune cells such as macrophages and dendritic cells. IL-12B forms a part of the heterodimeric cytokine IL-12, which plays a key role in promoting the activation of T cells and natural killer (NK) cells, thereby enhancing the body's ability to fight infections and tumors. The IL-12B gene encodes the p40 subunit, which combines with the p35 subunit (encoded by IL-12A) to form active IL-12. Besides its immune-stimulating functions, IL-12B is also involved in inflammation regulation and immune-related diseases. Variations or dysregulation of IL-12B have been linked to various autoimmune and inflammatory conditions, making it an important target for immunotherapy research.

Figures

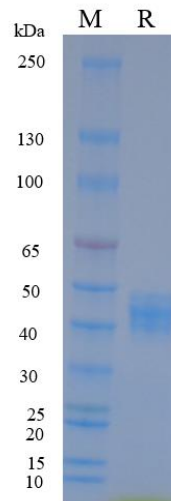


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

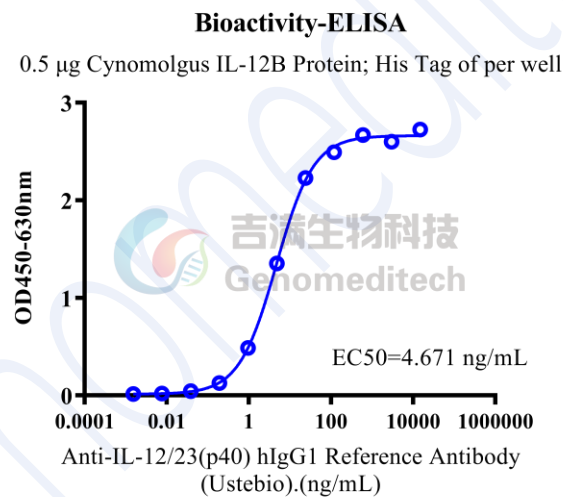


Figure 2 | Cynomolgus IL-12B Protein; His Tag (Catalog # GM-88974RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-IL-12/23(p40) hIgG1 Reference Antibody (Ustebio) (Catalog # GM-87870MAB) were added.

Related Products

IL-12	
H_IL12 Reporter 293 Cell Line	H_IL12 Reporter 293 DDX35TM Cell Line
H_IL12RB1 HEK-293 Cell Line	
Anti-IL-12/23(p40) hIgG1 antibody(Ustekinumab)	Anti-IL-12/23(p40) hIgG1 Reference Antibody (Ustebio)
Biotinylated Human IL-23A&IL-12B Heterodimer Protein; His-Avi Tag	Cynomolgus IL-23A & Human IL-12B Heterodimer Protein; His Tag
Cynomolgus IL-23A & Mouse IL-12B Heterodimer Protein; His Tag	Human IL-12B Protein; His Tag
Human IL-23A & Mouse IL-12B Heterodimer Protein; His Tag	Human IL-23A&IL-12B Heterodimer Protein; His Tag
Mouse IL-23A&IL-12B Heterodimer Protein; His Tag	