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Product Sheet

Human IL-4 Protein; hFc Tag

GM-88676RP-100 / 100 μg
GM-88676RP-1000 / 1 mg

Product Information

Product Name	Human IL-4 Protein; hFc Tag
Source	Human IL-4 Protein; hFc Tag (GM-88676RP) is expressed from human 293 cells (HEK-293). It contains AA His 25 - Ser 153 (Accession # P05112). This protein carries a hFc tag at the C-terminus.
Predicted MW	40.9 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	IL4, BCGF1, BSF1
Background	Interleukin-4, is a cytokine that induces differentiation of naive helper T cells (Th0 cells to Th2 cells). In the presence of IL-4 and IL-13, cytokines that are produced in a Th-2 type response, particularly during allergy and parasitic infections, macrophages become differentially activated, And this cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. Recently, researcher found that the cytokine IL-4 plays a key role in development of innate CD8+ T cells in the thymus of several gene-deficient mouse strains, including Itk, KLF2, CBP and Id3, without previous exposure to antigen.

Version 4.0.26.1015

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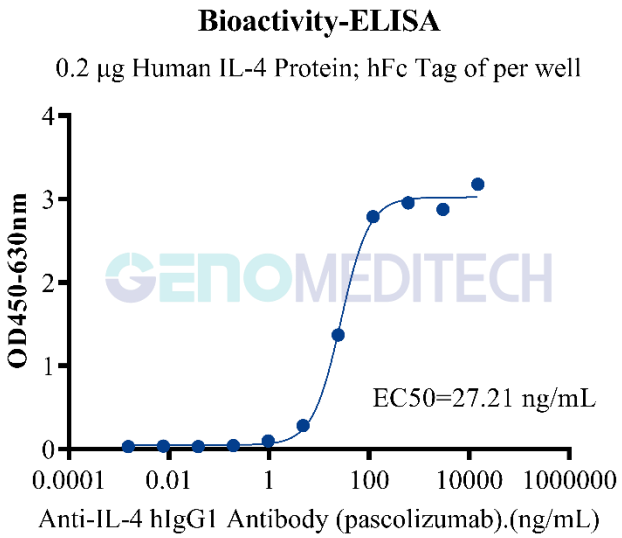
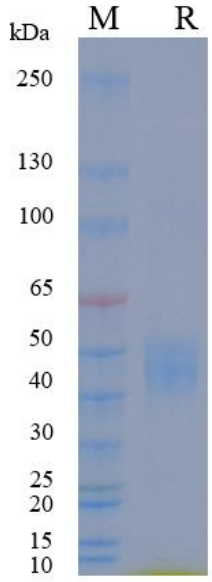
Data

Affinity



Human IL-4 Protein; hFc Tag (Catalog # GM-88676RP) was immobilized at 2 μg/ml (100 μl/well). Increasing concentrations of Anti-IL-4 hIgG1 Antibody (pascolizumab) (Catalog # GM-88648AB) were added.

Purity



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

Related Products

OX40:OX40L	
H_OX40 Reporter Cell Line	H_OX40 Reporter DDX35TM Cell Line
Cynomolgus_OX40 HEK-293 Cell Line	Cynomolgus_OX40L CHO-K1 Cell Line
H_OX40 CHO-K1 Cell Line	H_OX40L CHO-K1 Cell Line

H_OX40L HEK-293 Cell Line	Mouse_OX40L CHO-K1 Cell Line
Rat_OX40L CHO-K1 Cell Line	
Anti-H_OX40 hIgG2 Antibody(Ivuxolimab)	Anti-OX40L hIgG1 Reference Antibody(Oxebio)
Anti-OX40L hIgG4 Antibody(Amlitelimab)	Anti-OX40L hIgG4 Reference Antibody(Amlbio)
Biotinylated Human OX40L Protein; His-Avi Tag	Cynomolgus OX40 Protein; His Tag
Cynomolgus OX40L Protein; His Tag	Cynomolgus OX40L Protein; mFc Tag
Human OX40 Protein; hFc Tag	Human OX40 Protein; His Tag
Human OX40L Protein; His Tag	Human OX40L Protein; mFc Tag
IL-4/IL-13	
IL-4 Reporter Cell Line	IL-4/IL-13 Reporter 293 Cell Line
IL-4/IL-13 Reporter 293 DDX35TM Cell Line	Cynomolgus_IL4R CHO-K1 Cell Line
H_IL4R CHO-K1 Cell Line	H_IL4R CHO-K1 Cell Line (Low Expression)
H_IL4R HEK-293 Cell Line	Mouse_IL4R CHO-K1 Cell Line
Anti-IL13 hIgG4 Reference Antibody (Lebribio)	Anti-IL-4R hIgG1 Antibody(12B5)
Anti-IL4R hIgG4 Antibody(Dupilumab)	Anti-IL4R hIgG4 Reference Antibody (Dupbio)
Anti-IL-4R×IL31 hIgG4 Reference Antibody (PRO2198)	Anti-Mouse IL-4RA mIgG1 Antibody
Biotinylated Human IL-4R alpha Protein; Avi-His Tag	Cynomolgus IL-13 Protein; His Tag
Cynomolgus IL-13RA1 Protein; hFc Tag	Cynomolgus IL-13RA1 Protein; His Tag
Cynomolgus IL-4 Protein; His Tag	Cynomolgus IL-4R alpha Protein; His Tag
Human IL-13 Protein; His Tag	Human IL-13RA1 Protein; hFc Tag
Human IL-13RA1 Protein; His Tag	Human IL-4 Protein; His Tag
Human IL-4R alpha Protein; hFc Tag	Human IL-4R alpha Protein; His Tag
Human IL-4R alpha Protein; mFc Tag	Mouse IL-13 Protein; His Tag
Mouse IL-4R alpha Protein; His Tag	Rat IL-4R alpha Protein; His Tag
IL-31	
Cynomolgus_IL-31RA OSMR Reporter Baf3 Cell Line	H_IL-31 Reporter Cell Line
H_IL-31 Reporter DDX35TM Cell Line	Cynomolgus_IL31RA CHO-K1 Cell Line
H_IL31RA CHO-K1 Cell Line	H_IL31RA HEK-293 Cell Line
H_IL-31RA OSMR Baf3 Cell Line	H_IL-31RA OSMR CHO-K1 Cell Line
Anti-IL31 hIgG1 Antibody(mAb33)	Anti-IL-31 hIgG4 Reference Antibody (BMS-981164)
Anti-IL31RA hIgG1 Antibody(NA633)	Anti-IL31RA hIgG2 Antibody(Nemolizumab)
Anti-IL31RA hIgG2 Reference Antibody (Nemobio)	Anti-IL-4R×IL31 hIgG4 Reference Antibody (PRO2198)
Anti-OSMR hIgG4 Antibody(Vixarelimab)	Anti-OSMR hIgG4 Reference Antibody (Vixabio)
Cynomolgus IL-31 Protein; His Tag	Cynomolgus IL-31RA Protein; hFc Tag
Human IL-31 Protein; hFc Tag	Human IL-31 Protein; His Tag
Human IL-31RA Protein; hFc Tag	
TSLP:TSLPR	
H_TSLP Reporter 293 Cell Line	H_TSLP Reporter Cell Line
H_TSLPR CHO-K1 Cell Line	H_TSLPR IL7RA BaF3 Cell Line
Anti-H_TSLPR hIgG1 Antibody	Anti-TSLP hIgG2 Antibody(Tezepelumab)

Anti-TSLP hIgG2 Reference Antibody (Tezbio)	
Biotinylated Human TSLP Protein; His-Avi Tag	Cynomolgus TSLP Protein; His Tag
Cynomolgus TSLPR Protein; His Tag	Human TSLP Protein; hFc Tag
Human TSLP Protein; His Tag	Human TSLPR Protein; hFc Tag
Human TSLPR Protein; His Tag	
IL-5	
H_IL-5 Reporter 293 Cell Line	Cynomolgus_IL-5RA HEK-293 Cell Line
H_IL-5RA CHO-K1 Cell Line	H_IL-5RA HEK-293 Cell Line
H_IL-5RA TF-1 Cell Line	
Anti-IL5 hIgG4 Antibody(Reslizumab)	Anti-IL-5R hIgG1 Antibody(Benralizumab)
Cynomolgus IL-5 Protein; hFc Tag	Cynomolgus IL-5 Protein; His Tag
Human IL-5 Protein; hFc Tag	Human IL-5 Protein; His Tag
MRGPRX2	
H_MRGPRX2 Gq Reporter CHO-K1 Cell Line	H_MRGPRX2 Gqi5 Reporter CHO-K1 Cell Line
Tango-H_MRGPRX2 CHO-K1 Cell Line	Cynomolgus_MRGPRX2 CHO-K1 Cell Line
Cynomolgus_MRGPRX2 HEK-293 Cell Line	Flag-Mouse_Mrgprb2 CHO-K1 Cell Line
Flag-Rat_Mrgprb3 HEK-293 Cell Line	H_MRGPRX2 CHO-K1 Cell Line
H_MRGPRX2 HEK-293 Cell Line	H_MRGPRX2 HMC-1 Cell Line
H_MRGPRX2 RBL-2H3 Cell Line	
STAT6	
H_IL4R STAT6-HiBiT-KI LgBiT Jurkat Cell Line	

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