

Mouse IL-2 Protein; His Tag

Product Information

Product Name	Mouse IL-2 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-88501RP-100 / 100 μg GM-88501RP-1000 / 1 mg

Protein Information

Alternative Names	IL2, TCGF, lymphokine, Interleukin 2
Source	Mouse IL-2 Protein; His Tag (GM-88501RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 21 - Gln 169 (Accession # P04351). This protein carries a His 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	18.1 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	Interleukin-2 (IL-2), also known as T-cell growth factor (TCGF), is a cytokine mainly produced by activated CD4 ⁺ T cells (and also by other immune cells in some contexts). IL-2 acts as a key regulator of immune responses, promoting T cell proliferation, survival, and differentiation, and it is especially important for the maintenance and function of regulatory T cells (Tregs). IL-2 exerts its effects by binding to the IL-2 receptor complex, which is composed of an IL-2R α (CD25) subunit and the shared IL-2R β (CD122) and IL-2R γ (CD132) subunits.

Figures

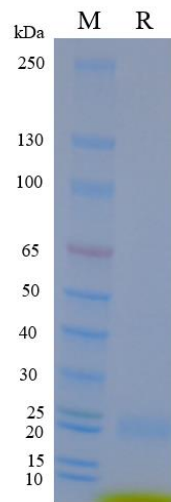


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

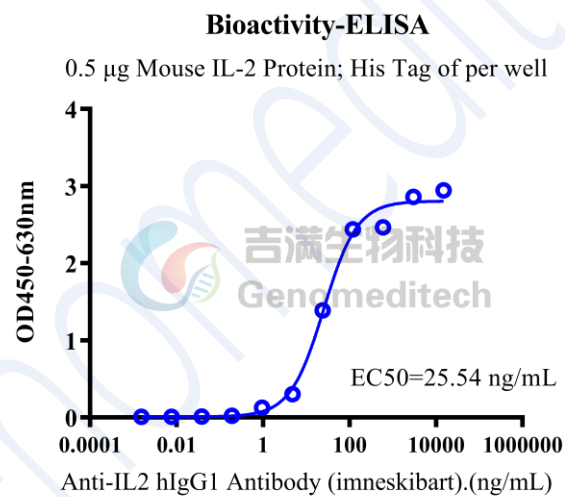


Figure 2 | Mouse IL-2 Protein; His Tag (Catalog # GM-88501RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-IL2 hIgG1 Antibody (imneskibart) (Catalog # GM-88653AB) were added.

Related Products

IL-15	
H_IL15 Reporter Cell Line	Cynomolgus_CD122 HEK-293 Cell Line
H_CD122 CD132 CHO-K1 Cell Line	H_CD122 CHO-K1 Cell Line
H_CD122 HEK-293 Cell Line	H_CD215(IL15RA) HEK-293 Cell Line
IL-2	
H_CD122 CD132 Reporter 293 Cell Line	H_CD122 CD132 Reporter Cell Line
H_CD25 CD122 CD132 Reporter Cell Line	H_CD25 CD122 CD132 Reporter Jurkat(hPD1 OE) Cell Line
H_IL2 Reporter Cell Line	H_IL2 Reporter DDX35TM Cell Line
Cynomolgus_CD25 HEK-293 Cell Line	H_CD25 CHO-K1 Cell Line
H_CD25 HEK-293 Cell Line	
Anti-CD122 hIgG1 Antibody(HuABC-2)	Anti-CD132(IL2RG) hIgG4 Antibody(REGN7257)
Anti-CD25 hIgG1 Antibody(Basiliximab)	Anti-IL2 hIgG1 Antibody (imneskibart)
Anti-mouse CD25 mIgG2a Antibody(PC-61.5.3)	Anti-mouse CD25 RIgG1 Antibody(PC-61.5.3)
Anti-PD1-IL2v Fusion hIgG1 Antibody(2149)	Anti-PD1-IL2v Fusion hIgG1 Antibody(KY-0118)
Cynomolgus IL-2 Protein; hFc Tag	Cynomolgus IL-2 Protein; His Tag
Cynomolgus IL-2RA Protein; hFc Tag	Cynomolgus IL-2RA Protein; His Tag
Cynomolgus IL-2RB Protein; His Tag	Human IL-2 Protein; hFc Tag
Human IL-2 Protein; His Tag	Human IL-2RA Protein; hFc Tag
Human IL-2RA Protein; His Tag	Human IL-2RB Protein; His Tag
Human IL-2RG Protein; His Tag	