

Biotinylated Cynomolgus GARP&Latent TGF beta 1 Complex Protein



Cat. No. GAT-CM401B

Description	
Source	Recombinant Biotinylated Cynomolgus GARP&Latent TGF beta 1 Complex Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ala18-Leu628(GARP)&Leu30-Ser390(Latent TGF beta 1).
Accession	A0A2K5X2X9(GARP)&A0A2K5TJB2(Latent TGF beta 1)
Molecular Weight	The protein has a predicted MW of 70.5 kDa (GARP)&41.3 kDa (Latent TGF Beta 1). Due to glycosylation, the protein migrates to 70-80 kDa (GARP)&13 kDa&42-50 kDa (Latent TGF Beta) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

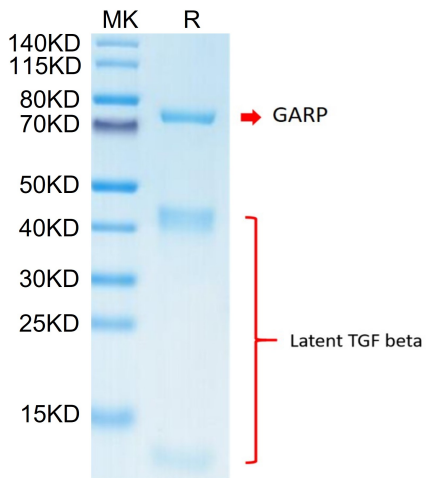
Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

GARP&Latent TGF Beta is a complex found on surface of many types of cells. In Tregs, GARP is involved in TCR-mediated activation of Latent TGF-β and thus promoting secretion and activation of TGF-β. Integrin αvβ8 on the surface of immune cells and other cells recognizes RGD in LAP, resulting in the release of mature TGF-β from the TGF-β&GARP complex.

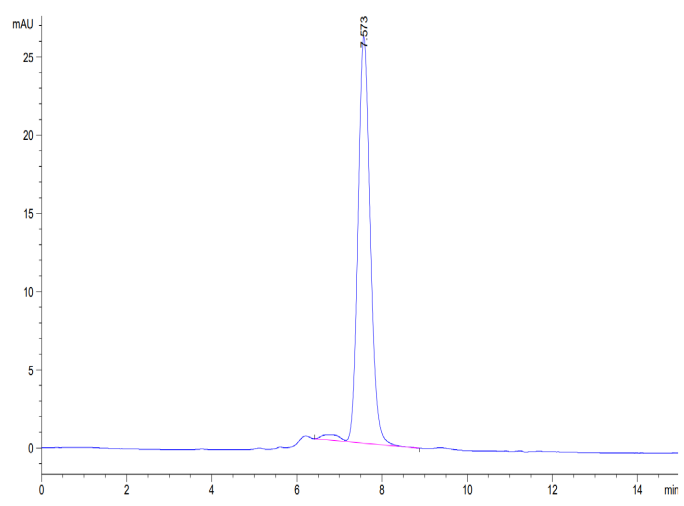
Assay Data

Tris-Bis PAGE



Biotinylated Cynomolgus GARP&Latent TGF beta 1 Complex on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Cynomolgus GARP&Latent TGF beta 1 Complex is greater than 95% as determined by SEC-HPLC.

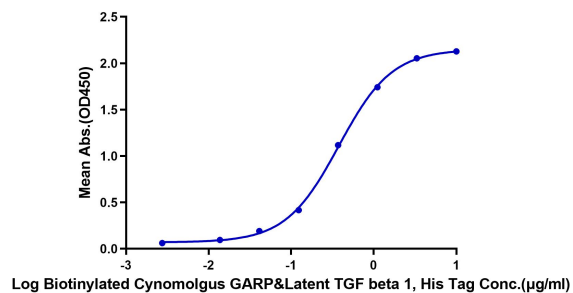
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Assay Data

ELISA Data

Biotinylated Cynomolgus GARP&Latent TGF beta 1, His Tag ELISA
0.2µg Anti-GARP&Latent TGF beta 1 Antibody, hFc Tag Per Well



Immobilized Anti-GARP&Latent TGF beta 1 Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus GARP&Latent TGF beta 1 Complex, His Tag with the EC50 of 0.38µg/ml determined by ELISA.