

Mouse GARP&Latent TGF beta 1 Complex Protein

Cat. No. GAT-MM101

Description

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|-------------------------|--|
| Source | Recombinant Mouse GARP&Latent TGF beta 1 Complex Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ala18-Leu628(GARP)&Leu30-Ser390(Latent TGF beta 1). |
| Accession | G3XA59(GARP)&P04202(Latent TGF beta 1) |
| Molecular Weight | The protein has a predicted MW of 66.6 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 1) based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

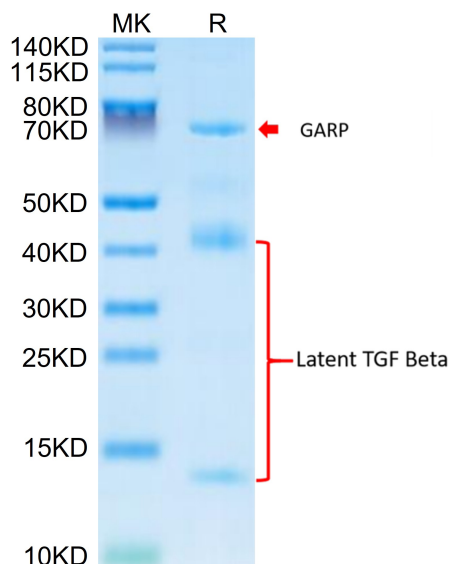
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize 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 αβ8 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

Bis-Tris PAGE



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

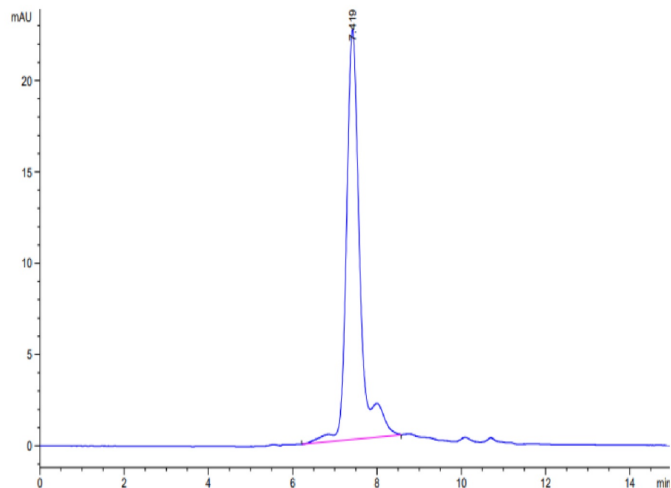
SEC-HPLC

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Assay Data



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