Mouse LGALS3BP Protein

Cat. No. LGA-MM1SP

Description

Source	Recombinant Mouse LGALS3BP Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Thr19-Val577.
Accession	Q07797
Molecular Weight	The protein has a predicted MW of 63.64 kDa. Due to glycosylation, the protein migrates to 80-100 kDa 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

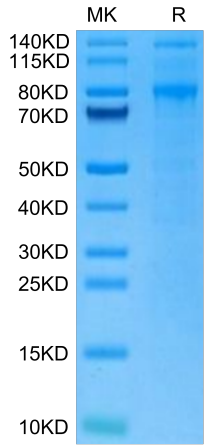
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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

The galectin 3 binding protein (LGALS3BP, also known as 90K) is a ubiquitous multifunctional secreted glycoprotein originally identified in cancer progression. 90K is a virus-induced protein capable of binding with the TRAF6 and TRAF3 complex, leading to IFN and pro-inflammatory production.

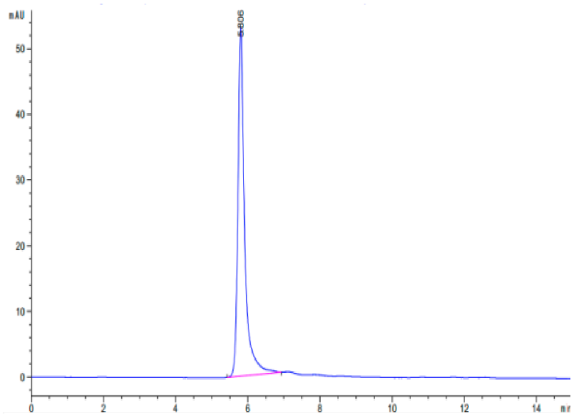
Assay Data

Bis-Tris PAGE



Mouse LGALS3BP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse LGALS3BP is greater than 95% as determined by SEC-HPLC.

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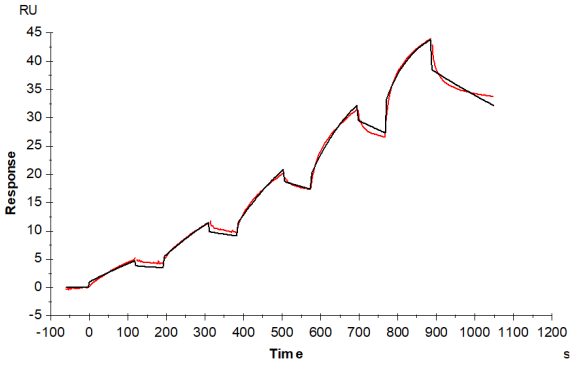
Assay Data

SPR Data



Mouse Galectin-3, His Tag immobilized on CM5 Chip can bind Mouse LGALS3BP, His Tag with an affinity constant of 17.56 nM as determined in SPR assay (Biacore T200).