

Biotinylated Human Galectin 1 Protein

Cat. No. GAL-HM501B



Description

Source	Recombinant Biotinylated Human Galectin 1 Protein is expressed from HEK293 with hFc (IgG1) tag and Avi tag at the N-terminus.
	It contains Ala2-Asp135.
Accession	P09382
Molecular Weight	The protein has a predicted MW of 43.11 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

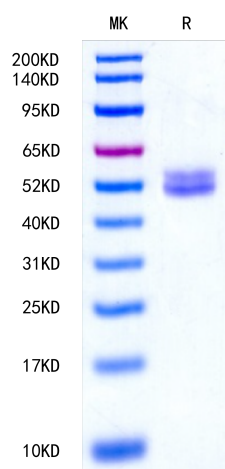
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Galectin 1 (Gal-1), a β -galactoside binding mammalian lectin of 14KDa, is implicated in many signalling pathways, immune responses associated with cancer progression and immune disorders. Inhibition of human Gal-1 has been regarded as one of the potential therapeutic approaches for the treatment of cancer, as it plays a major role in tumour development and metastasis by modulating various biological functions viz. apoptosis, angiogenesis, migration, cell immune escape.

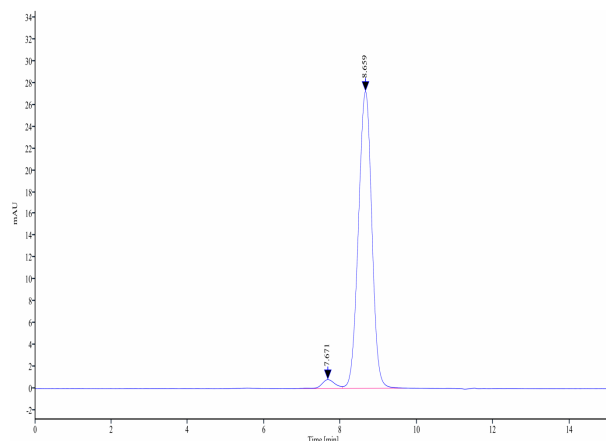
Assay Data

Bis-Tris PAGE



Biotinylated Human Galectin 1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human Galectin 1 is greater than 95% as determined by SEC-HPLC.

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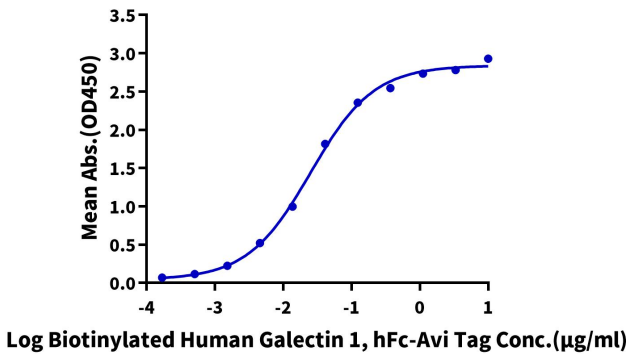


Assay Data

ELISA Data

Biotinylated Human Galectin 1, hFc-Avi Tag ELISA

0.1µg Anti-Galectin 1 Antibody, hFc Tag Per Well



Immobilized Anti-Galectin 1 Antibody, hFc Tag at 1ug/ml (100ul/well) on the plate. Dose response curve for Biotinylated Human Galectin 1, hFc-Avi Tag with the EC50 of 25.2ng/ml determined by ELISA.