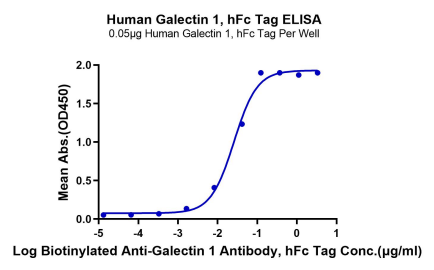
Bioactive HuPro®

LGALS1 (Human) Recombinant Protein

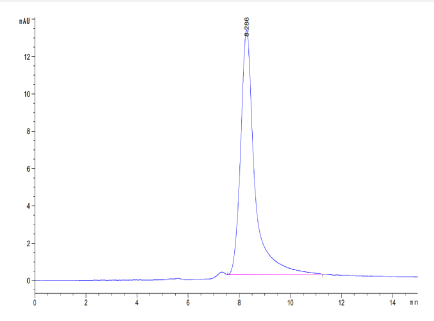
Catalog # P9883 Size 100 ug

Applications



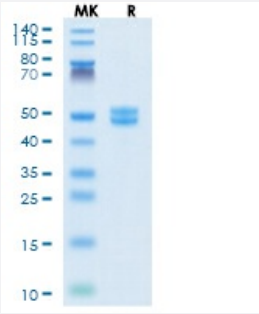
Enzyme-linked Immunoabsorbent Assay

Immobilized Human Galectin 1, hFc Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Biotinylated Anti-Galectin 1 Antibody, hFc Tag with the EC50 of 25.9 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human LGALS1 (P09382, Ala2-Asp135) partial recombinant protein with hFc tag at N-Terminus expressed in HEK293 cells.

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Sequence	Ala2-Asp135
Host	Human
Theoretical MW (kDa)	41.9
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 25.9 ng/mL, messured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human Galectin 1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human Galectin 1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human Galectin 1, hFc Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Biotinylated Anti-Galectin 1 Antibody, hFc Tag with the EC50 of 25.9 ng/mL determined by ELISA.
- SDS-PAGE

Gene Info — LGALS1

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Entrez GeneID	3956
Protein Accession#	P09382
Gene Name	LGALS1
Gene Alias	DKFZp686E23103, GAL1, GBP
Gene Description	lectin, galactoside-binding, soluble, 1
Omim ID	150570
Gene Ontology	Hyperlink
Gene Summary	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation. [provided by RefSeq
Other Designations	OTTHUMP00000028982|S-Lac lectin 1|beta-galactoside-binding lectin L-14-I|galaptin|galectin 1|galectin-1|lactose-binding lectin 1

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Myasthenia Gravis
- Thyroid Neoplasms

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