

Datasheet for ABIN7274750

**Galectin 3 Protein (LGALS3) (AA 2-250) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Galectin 3 (LGALS3)
Protein Characteristics:	AA 2-250
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Galectin 3 protein is labelled with His tag.

## Product Details

Purpose:	Human Galectin 3 Protein
Sequence:	Ala2-Ile250
Characteristics:	Recombinant Human Galectin 3 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ala2-Ile250.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Galectin 3, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Galectin 3 Antibody, hFc Tag with the EC50 of 17.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

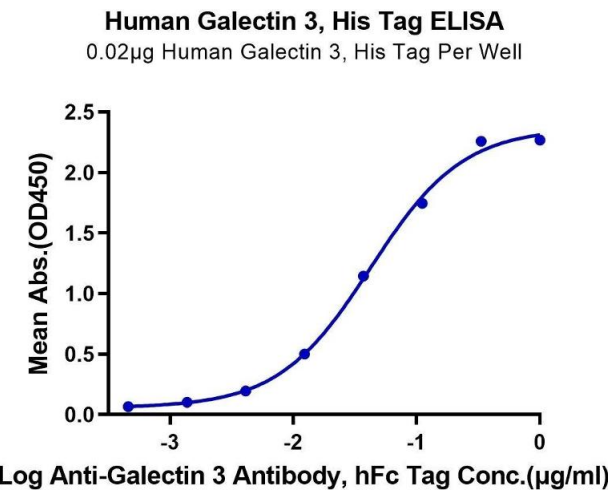
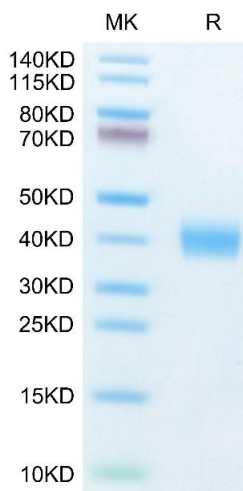
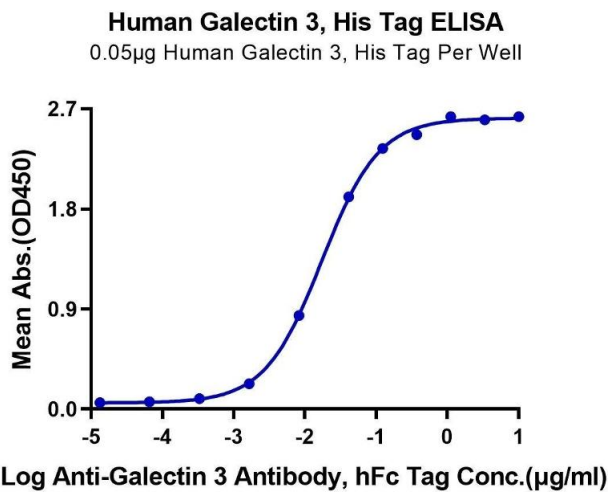
Target:	Galectin 3 (LGALS3)
Alternative Name:	Galectin 3 ( <a href="#">LGALS3 Products</a> )
Target Type:	Chemical
Background:	Human Galectin-3, also known as Mac-2, L29, CBP35, and epsilon BP, is classified as a chimeric member of the Galectin superfamily and contains one carbohydrate recognition domain (CRD) linked to a nonlectin domain. Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis (By similarity).
Molecular Weight:	27.1 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P17931</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM HEPES, 150 mM NaCl, 5 mM EDTA, 2 mM TCEP ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Preservative:	Other preservative
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



**ELISA**

**Image 1.** Immobilized Human Galectin 3, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-Galectin 3 Antibody, hFc Tag with the EC50 of 17.3 ng/mL determined by ELISA.

**SDS-PAGE**

**Image 2.** Human Galectin 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**ELISA**

**Image 3.** Immobilized Human Galectin 3, His Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-Galectin 3 Antibody, hFc Tag with the EC50 of 42.3 ng/mL determined by ELISA.