

## ARG81736 Mouse Galectin 3 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81736-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81736-002	Standard	2 X 10 ng/vial	4°C
ARG81736-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81736-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81736-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81736-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81736-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81736-008	25X Wash buffer	20 ml	4°C
ARG81736-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81736-010	STOP solution	10 ml (Ready to use)	4°C
ARG81736-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81736 Mouse Galectin 3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Galectin 3 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Galectin 3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 7.6%; Inter-Assay CV: 8.9%
Alternate Names	Laminin-binding protein; Gal-3; L-31; GALBP; Galactoside-binding protein; MAC2; GAL3; GALIG; Mac-2 antigen; CBP 35; Galectin-3; CBP35; Galactose-specific lectin 3; IgE-binding protein; L31; 35 kDa lectin; Carbohydrate-binding protein 35; Lectin L-29

## Application Instructions

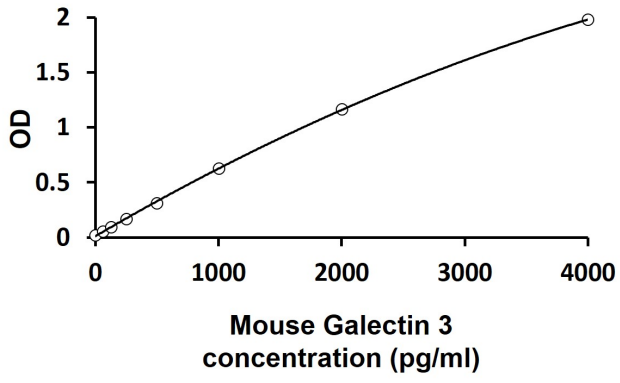
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	LGALS3
Gene Full Name	lectin, galactoside-binding, soluble, 3
Background	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]
Function	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). In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. [UniProt]
Highlight	Related products: <a href="#">Galectin 3 antibodies</a> ; <a href="#">Galectin 3 ELISA Kits</a> ; <a href="#">Galectin 3 recombinant proteins</a> ; Related news: <a href="#">Detecting exosomal PD-L1 secreted by cancer cells</a> New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>



ARG81736 Mouse Galectin 3 ELISA Kit standard curve image

ARG81736 Mouse Galectin 3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.