

ARG82103 Rat Galectin 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82103-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82103-002	Standard	2 X 10 ng/vial	4°C
ARG82103-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82103-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82103-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82103-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82103-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82103-008	25X Wash buffer	20 ml	4°C
ARG82103-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82103-010	STOP solution	10 ml (Ready to use)	4°C
ARG82103-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82103 Rat Galectin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Galectin 1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Galectin 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6%; Inter-Assay CV: 7.2%
Alternate Names	HBL; Gal-1; GAL1; HPL; Lectin galactoside-binding soluble 1; Galectin-1; 14 kDa laminin-binding protein; Lactose-binding lectin 1; GBP; Beta-galactoside-binding lectin L-14-I; Putative MAPK-activating protein PM12; 14 kDa lectin; Galaptin; S-Lac lectin 1; HLBP14

Application Instructions

Assay Time	~ 5 hours
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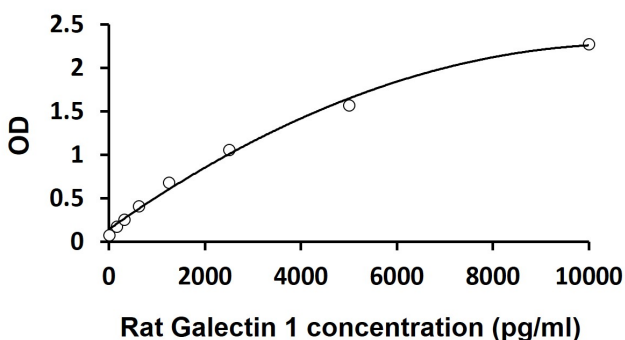
Properties

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	LGALS1
Gene Full Name	lectin, galactoside-binding, soluble, 1
Background	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, Jul 2008]
Function	May regulate apoptosis, cell proliferation and cell differentiation. Binds beta-galactoside and a wide array of complex carbohydrates. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis. [UniProt]
Highlight	Related products: Galectin antibodies ; Galectin ELISA Kits ; Galectin recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG82103 Rat Galectin 1 ELISA Kit standard curve image

ARG82103 Rat Galectin 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.