

ARG81735 Mouse Galectin 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81735-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81735-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81735-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81735-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81735-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81735-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81735-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81735-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81735-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81735-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81735-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81735 Mouse Galectin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Galectin 1 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 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 |

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| Precision | Intra-Assay CV: 6.8%; 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

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|------------|-----------|
| Assay Time | ~ 5 hours |
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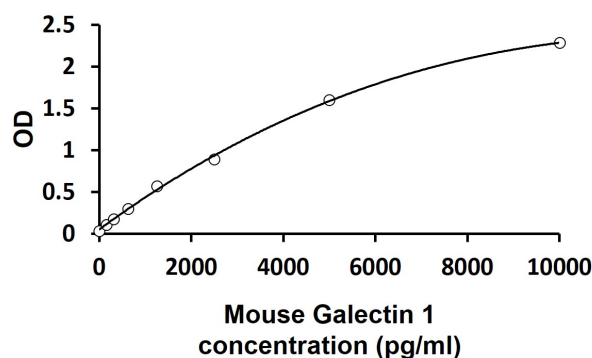
Properties

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|---------------------|--|
| 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

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|----------------|--|
| 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 |

Images



ARG81735 Mouse Galectin 1 ELISA Kit standard curve image

ARG81735 Mouse Galectin 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.