# ARG81869
# Mouse Galectin 7 ELISA Kit

Package: 96 wells
Store at: 4°C

## Component

| Cat. No. | Component Name | Package | Temp |
|---|---|---|---|
| ARG81869-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81869-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81869-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81869-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81869-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81869-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81869-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81869-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81869-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81869-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81869-011 | Plate sealer | 4 strips | Room temperature |

## Summary

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| Product Description | ARG81869 Mouse Galectin 7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Galectin 7 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 7 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 46.9 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Standard Range | 93.8 - 6000 pg/ml |
| Sample Volume | 100 µl |

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| Precision | Intra-Assay CV: 5.6%; Inter-Assay CV: 6.2% |
| Alternate Names | GAL7; Gal-7; HKL-14; LGALS7A; Galectin-7; p53-induced gene 1 protein; PI7 |

## Application Instructions

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| Assay Time | ~ 5 hours |

## 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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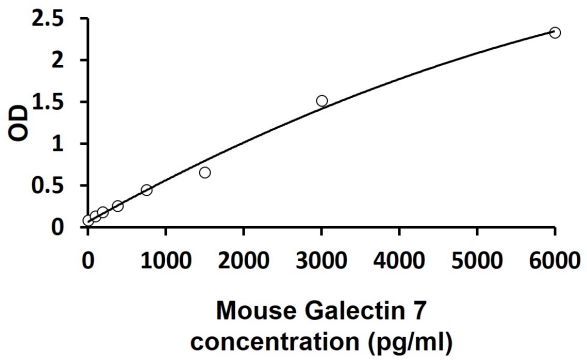
|---|---|
| Gene Symbol | LGALS7 |
| Gene Full Name | lectin, galactoside-binding, soluble, 7 |
| Background | The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:653499) is found adjacent to, but on the opposite strand on chromosome 19. [provided by RefSeq, Jul 2008] |
| Function | Could be involved in cell-cell and/or cell-matrix interactions necessary for normal growth control. Pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release. [UniProt] |
| Highlight | Related products:<br>Galectin antibodies; Galectin ELISA Kits; Galectin recombinant proteins;<br>New ELISA data calculation tool:<br>Simplify the ELISA analysis by GainData |

## Images




ARG81869 Mouse Galectin 7 ELISA Kit standard curve image

ARG81869 Mouse Galectin 7 ELISA Kit results of a typical standard run with optical density reading at 450 nm.