

## Human Galectin-3 ELISA Kit | LGALS3 elisa kit

Human Galectin-3 Pre-Coated ELISA Kit

CATALOG #  
**AAA79393**

REACTIVITY  
**Human**

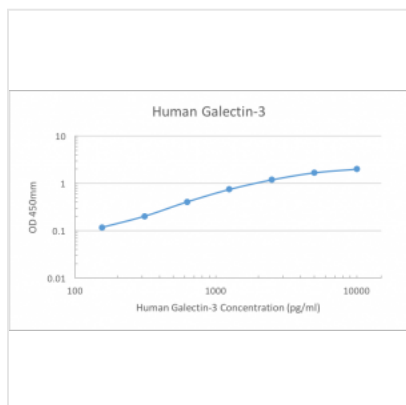
### PRODUCT SYNONYMS

Galectin-3; Human Galectin-3 Pre-Coated ELISA Kit; LGALS3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Natural and recombinant Human Galectin-3                                                                                                                                                                                                                                                                                                                                   |
| Assay Type              | Solid Phase Sandwich ELISA: 96-Well Strip Plate                                                                                                                                                                                                                                                                                                                            |
| Detection Range         | 156pg/ml-10,000pg/ml                                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity             | <10pg/ml                                                                                                                                                                                                                                                                                                                                                                   |
| Components              | Anti-Human Galectin-3 Pre-coated 96-well strip microplate<br>Human Galectin-3 Standard<br>Human Galectin-3 Biotinylated antibody (100x)<br>Avidin-Biotin-Peroxidase Complex (100x)<br>Sample Diluent<br>Antibody Diluent<br>Avidin-Biotin-Peroxidase Diluent<br>Wash Buffer Concentrate (Powder for 1000mL)<br>Color Developing Reagent<br>Stop Solution<br>Plate Sealers. |
| Interference            | No detectable cross-reactivity with other relevant proteins                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store the unopened product at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for LGALS3 elisa kit | Lectins, of either plant or animal origin, are carbohydrate-binding proteins that interact with glycoproteins and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with beta-galactoside moieties. Galectin-3 regulates a number of biological processes, including embryogenesis, inflammatory responses, cell progression and metastasis. Galectin-3 is normally expressed in epithelia of a variety of tissues, including colon and endometrium, and in various inflammatory cells, including macrophages. Galectin-3 can function intracellularly, controlling the cell cycle and preventing T-cell apoptosis, and also extracellularly, by activating various cells, including monocytes/macrophages, mast cells, neutrophils, and lymphocytes. Expression of Galectin-3 is affected by neoplastic transformation, being up-regulated in certain types of lymphomas, and in thyroid and hepatic carcinomas. Conversely, it is down-regulated in other cancers such as colon, breast, ovarian, and uterine. Human Galectin-3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Galectin-3 with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for Galectin-3. It contains E Coli-expressed recombinant Galectin-3. The detection antibody is a biotinylated goat polyclonal antibody specific for Galectin-3. The kit is analytically validated with ready to use reagents. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 115430223                                                                                                                                                         |
| NCBI GeneID                      | 3958                                                                                                                                                              |
| NCBI Accession #                 | NP_002297.2                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_002306.3                                                                                                                                                       |
| UniProt Accession #              | P17931; Q16005; Q6IBA7; Q96J47; B2RC38                                                                                                                            |
| Molecular Weight                 | 26,152 Da                                                                                                                                                         |
| NCBI Official Full Name          | galectin-3 isoform 1                                                                                                                                              |
| NCBI Official Synonym Full Names | lectin, galactoside-binding, soluble, 3                                                                                                                           |
| NCBI Official Symbol             | LGALS3                                                                                                                                                            |
| NCBI Official Synonym Symbols    | L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2                                                                                                                      |
| NCBI Protein Information         | galectin-3; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35 |
| UniProt Protein Name             | Galectin-3                                                                                                                                                        |
| UniProt Gene Name                | LGALS3                                                                                                                                                            |
| UniProt Synonym Gene Names       | MAC2; Gal-3; CBP 35; GALBP                                                                                                                                        |
| UniProt Entry Name               | LEG3_HUMAN                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/galectin-3/79393>