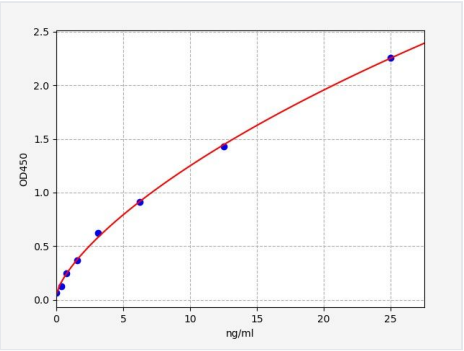
# GAL3 (Galectin-3) (GAL3) ELISA Kit for Human

## PRODUCT OVERVIEW

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| **Product Name** | GAL3 (Galectin-3), ELISA Kit |
| **Full Product Name** | Human GAL3 (Galectin-3) ELISA Kit |
| **Product Gene Name** | GAL3 elisa kit |
| **Product Synonym Names** | Galectin-3; GAL3; LGALS3; AGE-R3; CBP3; L29; LGALS3; Mac-2 |
| **Species Reactivity** | Human |
| **Assay Type** | Sandwich ELISA, Double Antibody |
| **Samples** | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples |
| **Detection Range** | 0.391-25ng/ml |
| **Sensitivity** | 0.234ng/ml |
| **Preparation and Storage** | Store at 2-8 degree C for 12 months |
| **Molecular Weight** | 26,152 Da |
| **Chromosome Location** | Chromosome: 14; NC_000014.8 (55595935..55612148). Location: 14q22.3 |
| **OMIM** | 153619 |
| **3D Structure** | ModBase 3D Structure for P17931 |
| **Time** | 4 hours |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Related Product Information for GAL3 elisa kit** | MBS7618173 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the GAL3 (Galectin-3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing GAL3. The ELISA analytical biochemical technique of the MBS7618173 kit is based on GAL3 antibody-GAL3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GAL3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GAL3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |
| **Other Notes** | Small volumes of GAL3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Typical Testing Data/Standard Curve (for reference only) of GAL3 elisa kit**

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAL3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 115430223 |
| **NCBI GeneID** | 3958 |
| **NCBI Accession #** | NP_002297.2 |
| **UniProt Primary Accession #** | P17931 |
| **UniProt Secondary Accession #** | Q16005; Q6IBA7; Q96J47; B2RC38 |
| **UniProt Related Accession #** | P17931 |
| **GenBank Nucleotide #** | NM_002306.3 |
| **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 |
| **UniProt Protein Name** | Galectin-3 |
| **UniProt Synonym Protein Names** | 35 kDa lectin; Carbohydrate-binding protein 35; CBP 35; Galactose-specific lectin 3; Galactoside-binding protein; GALBP; IgE-binding protein; L-31; Laminin-binding protein; Lectin L-29; Mac-2 antigen |
| **UniProt Gene Name** | LGALS3 |
| **UniProt Synonym Gene Names** | MAC2; Gal-3; CBP 35; GALBP |
| **UniProt Entry Name** | LEG3_HUMAN |
| **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 |
| **NCBI Summary for GAL3** | 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. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010] |
| **UniProt Comments for GAL3** | Galectin-3: galactose-specific lectin which binds IgE. Expressed at a high level in the colonic epithelium. Also abundant in activated macrophages.<br><br>Protein type: Cell surface; Motility/polarity/chemotaxis; Extracellular matrix<br><br>Chromosomal Location of Human Ortholog: 14q22.3<br><br>Cellular Component: extracellular matrix; spliceosome; extracellular space; proteinaceous extracellular matrix; membrane; mitochondrial inner membrane; cytoplasm; plasma membrane; immunological synapse; nucleus; external side of plasma membrane<br><br>Molecular Function: protein binding; laminin binding; IgE binding; carbohydrate binding; chemoattractant activity<br><br>Biological Process: monocyte chemotaxis; neutrophil chemotaxis; extracellular matrix organization and biogenesis; epithelial cell differentiation; positive chemotaxis; RNA splicing; negative regulation of endocytosis; regulation of T cell proliferation; eosinophil chemotaxis; negative regulation of T cell receptor signaling pathway; innate immune response; mRNA processing; skeletal development; macrophage chemotaxis |
| **Research Articles on GAL3** | **1.** high circulating galectin-3 level may serve as a useful biomarker for predicting 30-day major adverse clinical outcome in patients with ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention |

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| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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