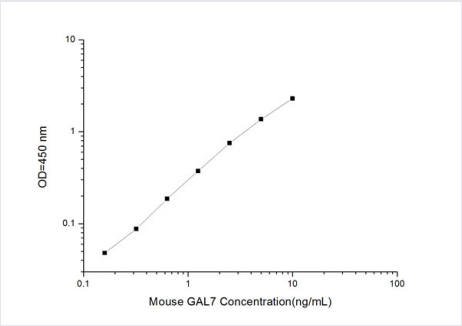
GAL7 ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	GAL7, ELISA Kit
Full Product Name	Mouse GAL7 (Galectin 7) ELISA Kit
Product Gene Name	GAL7 elisa kit
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, Plasma, Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse GAL7. No significant cross-reactivity or interference between Mouse GAL7 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Mouse GAL7 and all the analogues, therefore, cross reaction may still exist.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	15,075 Da
OMIM	600615
3D Structure	ModBase 3D Structure for P47929
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GAL7 elisa kit	**Description:** The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GAL7 in Mouse serum, plasma and other biological fluids **Principle of the Assay:** This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse GAL7. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Mouse GAL7 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse GAL7, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Mouse GAL7. You can calculate the concentration of Mouse GAL7 in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of GAL7 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.
Searchable Terms for GAL7 purchase	MBS2511573 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the GAL7, 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 GAL7. The ELISA analytical biochemical technique of the MBS2511573 kit is based on GAL7 antibody-GAL7 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GAL7 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GAL7. 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(%).



Typical Testing Data/Standard Curve (for reference only) of GAL7 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAL7. It may not necessarily be applicable to this product.

NCBI GI #	109948279
NCBI GeneID	653499
NCBI Accession #	NP_001035972.1
UniProt Primary Accession #	P47929
UniProt Secondary Accession #	Q6IB87
UniProt Related Accession #	P47929
GenBank Nucleotide #	NM_001042507.3
NCBI Official Full Name	galectin-7
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 7B
NCBI Official Symbol	LGALS7B
NCBI Official Synonym Symbols	PI7; GAL7; Gal-7; HKL-14; LGALS7
UniProt Protein Name	Galectin-7
UniProt Synonym Protein Names	HKL-14; PI7; p53-induced gene 1 protein
Protein Family	Gallinacin
UniProt Gene Name	LGALS7
UniProt Synonym Gene Names	PIG1; Gal-7
UniProt Entry Name	LEG7_HUMAN
NCBI Protein Information	galectin-7; galectin 7B; galectin-7B; keratinocyte lectin 14; lectin galactoside-binding soluble 7; p53-induced gene 1 protein; p53-induced protein 1
NCBI Summary for GAL7	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:3963) is found adjacent to, but on the opposite strand on chromosome 19. [provided by RefSeq, Jul 2008]

UniProt Comments for GAL7	LGALS7B: 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. Protein type: Cell adhesion; Apoptosis Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: extracellular space; cytoplasm; nucleus Molecular Function: carbohydrate binding Biological Process: heterophilic cell adhesion; apoptosis
Research Articles on GAL7	**1.** serum concentration was significantly elevated in women (weeks 10-12 and 17-20) who subsequently developed pre-eclampsia
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/mouse-elisa-kits/gal7/2511573