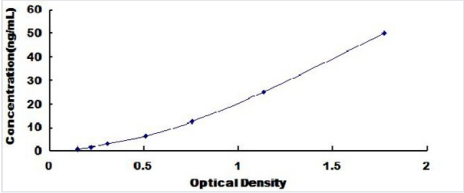
Galectin 1 (GAL1) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Galectin 1 (GAL1), ELISA Kit
Full Product Name	Mouse Galectin 1 (GAL1) ELISA Kit
Product Gene Name	GAL1 elisa kit
Product Synonym Names	LGALS1; GBP; HLBP14; Galaptin; Lectin,Galactoside-Binding Soluble 1; 14 kDa laminin-binding protein; Lactose-binding lectin 1; Putative MAPK-activating protein PM12; S-Lac lectin
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates or Other Biological Fluids.
Detection Range	0.781-50ng/mL
Sensitivity	0.31ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	14,866 Da
3D Structure	ModBase 3D Structure for P16045
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for GAL1 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GAL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GAL1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GAL1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GAL1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of GAL1 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 GAL1 purchase	MBS459458 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Galectin 1 (GAL1) 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 GAL1. The ELISA analytical biochemical technique of the MBS459458 kit is based on GAL1 antibody-GAL1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GAL1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GAL1. 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 GAL1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAL1. It may not necessarily be applicable to this product.

NCBI GI #	6678682
NCBI GeneID	16852
NCBI Accession #	NP_032521.1
UniProt Primary Accession #	P16045
UniProt Secondary Accession #	P05163; P11946; P17601; Q4FZH4; Q99M27; Q9D0X0
UniProt Related Accession #	P16045
GenBank Nucleotide #	NM_008495.2
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	lectin, galactose binding, soluble 1
NCBI Official Symbol	Lgals1
NCBI Official Synonym Symbols	L14; Gal-1; Galbp; L-14.5; Lect14; AA410090; galectin-1
UniProt Protein Name	Galectin-1
UniProt Synonym Protein Names	14 kDa lectin; Beta-galactoside-binding lectin L-14-I; Galaptin; Lactose-binding lectin 1; Lectin galactoside-binding soluble 1; S-Lac lectin 1
Protein Family	Arabinogalactan endo-beta-1,4-galactanase
UniProt Gene Name	Lgals1
UniProt Synonym Gene Names	Gbp; Gal-1
NCBI Protein Information	galectin-1
UniProt Comments for GAL1	Lectin that binds beta-galactoside and a wide array of complex carbohydrates. Plays a role in regulating apoptosis, cell proliferation and cell differentiation. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis.
Research Articles on GAL1	**1.** The results of this study showed that development of spinal axons as well as the locomotor abilities observed in adult mice are independent of Gal-1.
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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.

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