

Datasheet for ABIN6720130  
**LGALS1/Galectin 1 ELISA Kit**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	1 kit
Target:	LGALS1/Galectin 1 (LGALS1)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 14 kDa laminin-binding protein, 14 kDa lectin, Beta galactoside binding protein 14 kDa, Beta-galactoside-binding lectin L-14-I, Gal-1, GAL1, Galaptin, Galectin-1, GBP, HBL, HLBP14, HPL Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, LEG1_HUMAN, LGALS1, Putative MAPK-activating protein PM12, S-Lac lectin 1</p> <p>Background: Galectin-1 is a protein that in humans is encoded by the LGALS1 gene. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS1 may act as an autocrine negative growth factor that regulates cell proliferation. Baldini et al. stated that the mouse beta-galactoside-binding protein is an</p>

## Product Details

autocrine regulator of cell proliferation with a role in the maintenance of G0 and in the control of G2 traverse. They found that galectin-1 was expressed in a subset of slowly dividing subventricular zone astrocytes, which included the neural stem cells. Intraventricular infusion experiments and phenotypic analysis of knockout mice showed that galectin-1 was an endogenous factor that promoted the proliferation of neural stem cells in adult mouse brain. The standard product used in this kit is recombinant mouse GALECTIN-1, Ala2-Glu135, with the molecular mass of 15KDa.

Gene Name: LGALS1

Production: Natural and recombinant mouse Galectin-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A2-E135

## Target Details

Target:	LGALS1/Galectin 1 (LGALS1)
Alternative Name:	Galectin-1 ( <a href="#">LGALS1 Products</a> )
Gene ID:	16852
NCBI Accession:	<a href="#">NP_032521</a>
UniProt:	<a href="#">P16045</a>
Pathways:	<a href="#">Carbohydrate Homeostasis</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse Galectin-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse Galectin-1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

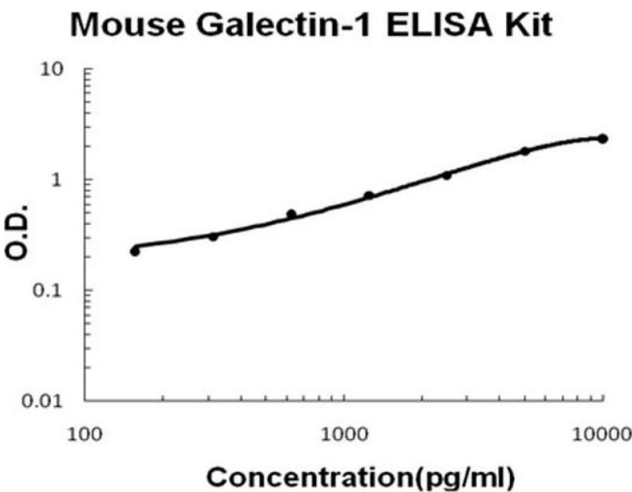
Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

**Image 1.** Mouse Galectin-1 Accusignal ELISA Kit Mouse Galectin-1 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <5pg/ml.