

Datasheet for ABIN2859325  
**LGALS3BP ELISA Kit**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	96 tests
Target:	LGALS3BP
Binding Specificity:	AA 19-585
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5-4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Galectin-3BP
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Immunogen:	Expression system for standard: NSO Immunogen sequence: V19-D585
Specificity:	NSO, V19-D585
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	<10pg/mL

## Product Details

Material not included:	Microplate reader in standard size. Automated plate washer. Adjustable pipettes and pipette tips. Multichannel pipettes are recommended in the condition of large amount of samples in the detection. Clean tubes and Eppendorf tubes. Washing buffer (neutral PBS or TBS). Preparation of 0.01M TBS: Add 1.2g Tris, 8.5g NaCl
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## Target Details

Target:	LGALS3BP
Alternative Name:	LGALS3BP ( <a href="#">LGALS3BP Products</a> )
Background:	<p>Protein Function: Promotes intergrin-mediated cell adhesion. May stimulate host defense against viruses and tumor cells. .</p> <p>Background: Galectin-3-binding protein is a protein that in humans is encoded by the LGALS3BP gene. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Using fluorescence in situ hybridization, the full length 90K cDNA has been localized to chromosome 17q25. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds to galectin 1.</p> <p>Synonyms: Galectin-3-binding protein,Basement membrane autoantigen p105,Lectin galactoside-binding soluble 3-binding protein,Mac-2-binding protein,MAC2BP,Mac-2 BP,Tumor-associated antigen 90K,LGALS3BP,M2BP,</p> <p>Full Gene Name: Galectin-3-binding protein</p> <p>Cellular Localisation: Secreted . Secreted, extracellular space, extracellular matrix.</p>
Gene ID:	3959
UniProt:	<a href="#">Q08380</a>

## Application Details

Application Notes:	Before using Kit, spin tubes and bring down all components to bottom of tube. Duplicate well assay was recommended for both standard and sample testing.
Comment:	Tissue Specificity: Ubiquitous. Detected in body fluids such as semen, milk, serum, tears, saliva and urine. Expressed by keratinocytes and fibroblasts. .
Plate:	Pre-coated
Protocol:	human Galectin-3BP ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Galectin-3BP has

Application Details

been precoated onto 96-well plates. Standards(NSO,V19-D585) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Galectin-3BP is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Galectin-3BP amount of sample captured in plate.

Assay Procedure: Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human Galectin-3BP 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 human cell culture supernates, serum or plasma(heparin) to each empty well. See "Sample Dilution Guideline" above for details. It is recommended that each human Galectin-3BP standard solution and each sample be measured in duplicate.

Assay Precision:

- Sample 1: n=16, Mean(pg/ml): 477, Standard deviation: 27.7, CV(%): 5.8
- Sample 2: n=16, Mean(pg/ml): 1541, Standard deviation: 92.46, CV(%): 6
- Sample 3: n=16, Mean(pg/ml): 2626, Standard deviation: 128.7, CV(%): 4.9,
- Sample 1: n=24, Mean(pg/ml): 527, Standard deviation: 32.15, CV(%): 6.1
- Sample 2: n=24, Mean(pg/ml): 1712, Standard deviation: 114.7, CV(%): 6.7
- Sample 3: n=24, Mean(pg/ml): 3015, Standard deviation: 168.84, CV(%): 5.6

Restrictions: For Research Use only

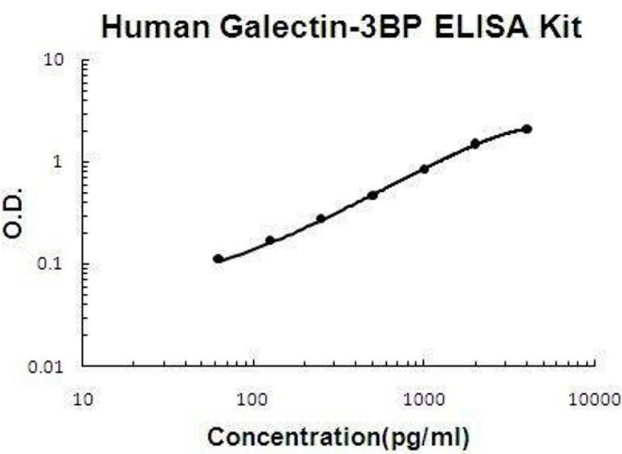
Handling

Handling Advice: Avoid multiple freeze-thaw cycles.

Storage: -20 °C,4 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles

Expiry Date: 12 months



**ELISA**

**Image 1.** Human Galectin-3BP PicoKine ELISA Kit standard curve