

Datasheet for ABIN6720103

Galectin 3 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	Galectin 3 (LGALS3)
Reactivity:	Human
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:

Synonyms: 35 kDa lectin, Carbohydrate-binding protein 35, CBP 35, Gal-3, Galactose-specific lectin 3, Galactoside-binding protein, GALBP, Galectin-3, GALIG, IgE-binding protein, L-31, Laminin-binding protein, Lectin L-29, lectin, galactoside-binding, soluble, 3, LGALS2Mac-2 antigen, MAC2, Macrophage galactose-specific lectin

Background: Galectin-3(GAL3), also known as LGALS3, MAC2 or GALBP, is a member of the lectin family, of which 14 mammalian galectins have been identified. Galectin-3 is encoded by a single gene, LGALS3, located on chromosome 14, locus q21-q22. It is expressed in the nucleus, cytoplasm, mitochondrion, cell surface, and extracellular space. Studies have also shown that

Product Details

the expression of galectin-3 is implicated in a variety of processes associated with heart failure, including myofibroblast proliferation, fibrogenesis, tissue repair, inflammation, and Ventricular remodeling. Galectin-3 is expressed in various tissues and organs, but is significantly absent in normal hepatocytes.

Gene Name: LGALS3

Production: Natural and recombinant human Galectin-3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A2-I250

Target Details

Target:	Galectin 3 (LGALS3)
Alternative Name:	Galectin-3 - LGALS3 (LGALS3 Products)
Target Type:	Chemical
Gene ID:	3958
NCBI Accession:	NP_002297
UniProt:	P17931
Pathways:	RTK Signaling

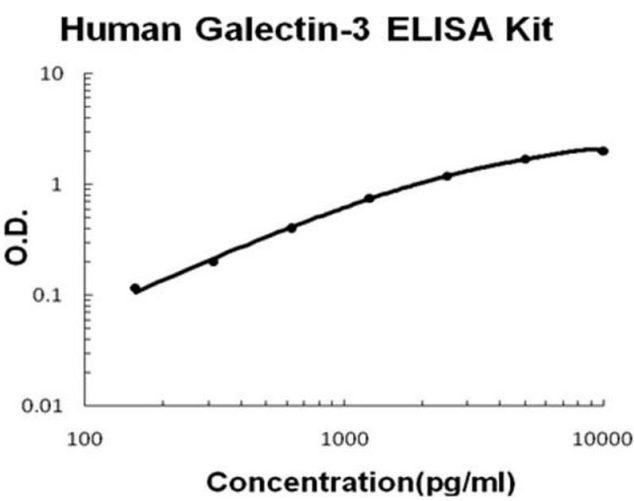
Application Details

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 human Galectin-3 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, EDTA) to each empty well. It is recommended that each human Galectin-3 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
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. Human Galectin-3/LGALS3 Accusignal ELISA Kit
Human Galectin-3/LGALS3 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml.
Sensitivity: <10pg/ml.