

Datasheet for ABIN6719894
Galectin 2 ELISA Kit



[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	Galectin 2 (LGALS2)
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:	Human Galectin-2 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human Galectin-2. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none">• Antibody-coated 96-well plate• Target Protein Standard

Product Details

- Detection antibody
- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	Galectin 2 (LGALS2)
Alternative Name:	Galectin-2 (LGALS2 Products)
Background:	<p>Synonyms: Beta galactoside binding lectin L14 II, Beta-galactoside-binding lectin L-14-II, CBP35, Gal-2, GAL3, GALBP, Galectin 2, Galectin-2, GALIG, HL14, Lactose binding lectin 2, Lactose-binding lectin 2, LEG2_HUMAN, Lgals2, MAC2, S Lac lectin 2, S-Lac lectin 2</p> <p>Background: Galectin-2 is a protein that in humans is encoded by the LGALS2 gene. It is mapped to 22q13.1. The protein encoded by this gene is a soluble beta-galactoside binding lectin. The encoded protein is found as a homodimer and can bind to lymphotoxin-alpha. It has been found that a single-nucleotide polymorphism in Galectin-2 is significantly associated with susceptibility to myocardial infarction. This genetic substitution affects the transcriptional level of Galectin-2 in vitro, potentially leading to altered secretion of LTA, to which Galectin-2 binds, which would then affect the degree of inflammation.</p>
Gene ID:	3957
NCBI Accession:	NP_006489
UniProt:	P05162

Application Details

Application Notes:	<p>ELISA_Dilution: 156pg/mL-10,000pg/mL</p> <p>Application_Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Galectin-2 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-2 standard solution and each sample be measured in duplicate.</p>
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Application Details

Comment:	Standard: Expression system for standard: E.coli, Immunogen sequence: M1-E132
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	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.
Expiry Date:	12 months