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## Datasheet for ABIN6719896 **LGALS7 ELISA Kit**

### Overview

Quantity:	1 kit
Target:	LGALS7
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 Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: GAL7, HKL14, Human keratinocyte lectin 14, Lectin galactoside binding soluble 7, LGALS7, LGALS7B, MGC151215, MGC151217, OTTMUSP00000025970, OTTMUSP00000041956, p53 induced gene 1 protein, PI7, PIG1, TP53I1</p> <p>Background: Galectin-7, also known as GAL7, is a protein that in humans is encoded by the LGALS7 gene. This gene is mapped to 19q13.2. Galectins belong to a family of related beta-galactoside-binding lectins, also referred to as S-type or S-Lac lectins. Members of this family have been implicated in a variety of functions, including growth regulation, cell adhesion,</p>

## Product Details

migration, neoplastic transformation, and immune responses. Differential and in situ hybridizations indicate that this lectin is specifically expressed in keratinocytes. It has been found that expression of Galectin-7 was markedly upregulated in corneal epithelium after injury and that exogenous galectin-7 stimulated reepithelialization of corneal wounds.

Gene Name: LGALS7

Production: Natural and recombinant human Galectin-7. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S2-F136

## Target Details

Target: LGALS7

Alternative Name: Galectin-7 ([LGALS7 Products](#))

Gene ID: 3963

NCBI Accession: [NP\\_001035972](#)

UniProt: [P47929](#)

## Application Details

Application Notes: 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-7 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-7 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

Storage: RT,4 °C,-20 °C

## Handling

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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.