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Datasheet for ABIN6719778 **LGALS7 ELISA Kit**

Overview

Quantity:	1 kit
Target:	LGALS7
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	93.8 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.8 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: 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, migration, neoplastic transformation, and immune responses. Differential and in situ</p>

Product Details

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 mouse 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: 16858

NCBI Accession: [NP_032522](#)

UniProt: [O54974](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.8pg/mL mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse Galectin-7 standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 93.8pg/mL-6000pg/mL

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.