

Human Galectin-7 ELISA Kit | LGALS7 elisa kit

Human Galectin-7 PicoKine ELISA Kit

CATALOG #
AAA45830

REACTIVITY
Human

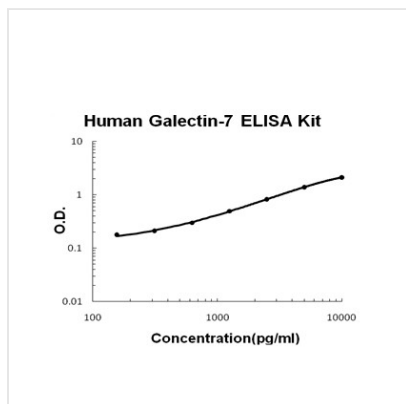
PRODUCT SYNONYMS

Galectin-7; Human Galectin-7 PicoKine ELISA Kit; lectin; galactoside-binding; soluble; 7; GAL7; HKL14; Human keratinocyte lectin 14; Lectin galactoside binding soluble 7; LGALS7; LGALS7B; MGC151215; MGC151217; OTTMUSP00000025970; OTTMUSP00000038956; p53 induced gene 1 protein; PI7; PIG1; TP53I1; LGALS7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Galectin-7
Sequence Length	136
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay)Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays)Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Galectin-7 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS7 elisa kit	Principle of the assay: human Galectin-7 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Galectin-7 has been precoated onto 96-well plates. Standards(E.coli, S2-F136) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Galectin-7 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-7 amount of sample captured in plate. 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1346431
NCBI GeneID	3963
UniProt Accession #	P47929; Q6IB87
Molecular Weight	15,075 Da
NCBI Official Full Name	Galectin-7
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 7
NCBI Official Symbol	LGALS7
NCBI Official Synonym Symbols	GAL7; LGALS7A
NCBI Protein Information	galectin-7; galectin 7
UniProt Protein Name	Galectin-7
UniProt Gene Name	LGALS7
UniProt Synonym Gene Names	PIG1; Gal-7
UniProt Entry Name	LEG7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.