

## Human Galectin-7 AccuSignal ELISA Kit - KOA0762

**Code:** KOA0762

**Size:** 1 Kit

**Product Description:** Human Galectin-7 AccuSignal ELISA Kit - KOA0762

**PhysicalState:**

|                               |  |
|-------------------------------|--|
| <b>Label</b>                  | Unconjugated   |
| <b>Gene Name</b>              | LGALS7   |
| <b>Species Reactivity</b>     | Human  |
| <b>Storage Condition</b>      | 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.  |
| <b>Synonyms</b>               | GAL7, HKL14, Human keratinocyte lectin 14, Lectin galactoside binding soluble 7, LGALS7, LGALS7B, MGC151215, MGC151217, OTTMUSP00000025970, OTTMUSP00000041956, p53 induced gene 1 protein, PI7, PIG1, TP531   |
| <b>Application Note</b>       | Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.   |
| <b>Background</b>             | 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. |
| <b>Purity And Specificity</b> | Natural and recombinant human Galectin-7. There is no detectable cross-reactivity with other relevant proteins.  |
| <b>ELISA</b>                  | 156pg/ml-10,000pg/ml   |
| <b>Expiration</b>             | See kit insert for complete instructions.  |
| <b>Immunogen</b>              | Expression system for standard: E.coli; Immunogen sequence: S2-F136  |
| <b>Anti-Coagulant</b>         | Heparin Sodium   |

**Related Products**

|             |   |
|-------------|---|
| MB-008      | 10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008                             |
| MB-012      | 10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012  |
| MB-013      | 10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013                   |
| MB-075-1000 | 10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000 |

**Related Links**

UniProtKB - P47929

<http://www.uniprot.org/uniprot/P47929>

 NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_001035972.1](http://www.ncbi.nlm.nih.gov/protein/NP_001035972.1)

GeneID - 3963

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=3963>

## **Disclaimer**

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