

## Human Galectin-1 ELISA Kit

Catalog No: #EK5323

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Human Galectin-1 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	E.coli,A2-D135
Other Names	Galectin-1; Gal-1; 14 kDa laminin-binding protein; HLBP14; 14 kDa lectin; Beta-galactoside-binding lectin L-14-I; Galaptin; HBL; HPL; Lactose-binding lectin 1; Lectin galactoside-binding soluble 1; Putative MAPK-activating protein PM12; S-Lac lectin 1; LGALS1;
Accession No.	P09382
Uniprot	P09382
GeneID	3956;
Cell Localization	Secreted, extracellular space, extracellularmatrix.

## Application Details

sensitivity:15pg mlDetect Range:156pg ml-10000pg mlsample\_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).capture\_antibody:detection\_antibody:gene\_name:LGALS1protein\_name:Galectin-1gene\_full\_name:Galectin-1tissue\_specificity: Expressed in placenta maternal decidua andfetal membranes. Within placenta expressed in trophoblasts stromal cells villous endothelium syncytiotrophoblast apicalmembrane and villous stroma. Within fetal membranes expressed inamnion chorioamniotic mesenchyma and chorion (at protein level).Expressed in cardiac smooth and skeletal muscle neurons thymus kidney and hematopoietic cells..sequence\_similarities:tmb\_incubation:15-20minresearch\_category:cell biology antibodies

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Galectin-1

## Background

protein\_function: May regulate apoptosis, cell proliferation and celldifferentiation. Binds beta-galactoside and a wide array ofcomplex carbohydrates. Inhibits CD45 protein phosphatase activityand therefore the dephosphorylation of Lyn kinase. Strong inducerof T-cell apoptosis..Galectin-1 is a protein that in humans is encoded by the LGALS1 gene. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-1 may act as an autocrine negative growth factor that regulates cell proliferation. Its expression in Hodgkin Lymphoma has also been shown to mediate immunosuppression of CD8+ T-cells. Additionally, Galectin-1 is thought to play a role in creating immune tolerance in pregnancy.

Note: This product is for in vitro research use only