

Human Galectin-4 ELISA Kit | LGALS4 elisa kit

Human Galectin-4 PicoKine ELISA Kit

CATALOG #
AAA45819

REACTIVITY
Human

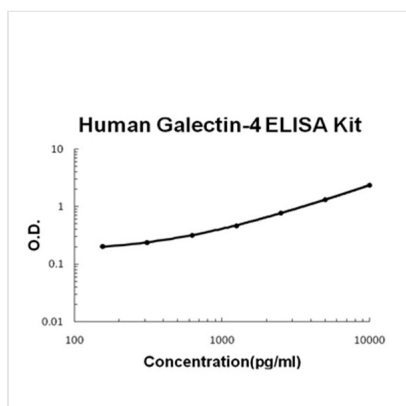
PRODUCT SYNONYMS

Galectin-4; Human Galectin-4 PicoKine ELISA Kit; lectin; galactoside-binding; soluble; 4; Antigen NY-CO-27; Gal-4; L-36 lactose-binding protein; L36LBP; Lactose-binding lectin 4; LEG4_HUMAN; LGALS4; LGALS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Galectin-4
Sequence Length	323
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-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS4 elisa kit	Principle of the assay: human Galectin-4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Galectin-4 has been precoated onto 96-well plates. Standards(E.coli, A2-I323) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Galectin-4 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-4 amount of sample captured in plate. Background: Galectin-4, also known as LGALS4 or GAL4, is a protein that in humans is encoded by the LGALS4 gene. It is mapped to 19q13.2. Galectins are a family of animal lectins defined by an affinity for beta-galactoside-containing saccharides and by shared sequence elements. Galectin-4 is expressed as a 38-kD protein in the human colon adenocarcinoma T84 cell line. Galectin-4 is an S-type lectin that is strongly underexpressed in colorectal cancer, and this gene plays a role in cell adhesion. It has been found that decreased Galectin-4 expression occurs early in colorectal carcinogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3024079
NCBI GeneID	3960
UniProt Accession #	P56470
Molecular Weight	35,941 Da
NCBI Official Full Name	Galectin-4
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 4
NCBI Official Symbol	LGALS4
NCBI Official Synonym Symbols	GAL4; L36LBP
NCBI Protein Information	galectin-4; gal-4; galectin 4; antigen NY-CO-27; lactose-binding lectin 4; L-36 lactose-binding protein
UniProt Protein Name	Galectin-4
UniProt Gene Name	LGALS4
UniProt Synonym Gene Names	Gal-4; L36LBP
UniProt Entry Name	LEG4_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.