

Human Galectin-9 ELISA Kit | LGALS9 elisa kit

Human Galectin-9 PicoKine ELISA Kit

CATALOG #
AAA45826

REACTIVITY
Human

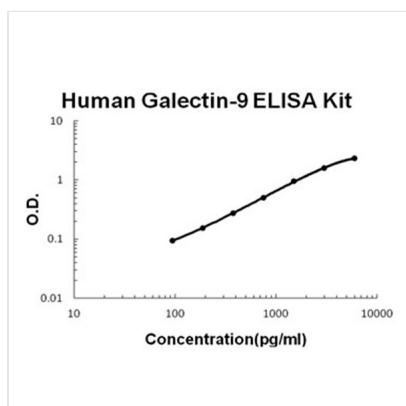
PRODUCT SYNONYMS

Galectin-9; Human Galectin-9 PicoKine ELISA Kit; lectin; galactoside-binding; soluble; 9; Ecalectin; Gal-9; LEG9_HUMAN; Lgals9; Tumor antigen HOM-HD-21; LGALS9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Galectin-9
Sequence Length	355
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	93.7pg/ml-6000pg/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-9 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS9 elisa kit

Principle of the assay: human Galectin-9 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Galectin-9 has been precoated onto 96-well plates. Standards(E.coli, M1-T355) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Galectin-9 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-9 amount of sample captured in plate.

Background: Galectin-9, also called HUAT or LGALS9A is a protein that in humans is encoded by the LGALS9 gene. This gene is mapped to 17q11.2. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. The protein has N- and C- terminal carbohydrate-binding domains connected by a link peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3041694
NCBI GeneID	3965
UniProt Accession #	O00182; O14532; O75028; Q3B8N1; Q53FQ0; Q9NQ58; A7VJG6
Molecular Weight	35,888 Da
NCBI Official Full Name	Galectin-9
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 9
NCBI Official Symbol	LGALS9
NCBI Official Synonym Symbols	HUAT; LGALS9A
NCBI Protein Information	galectin-9; gal-9; ecalectin; galectin 9; tumor antigen HOM-HD-21; urate transporter/channel protein
UniProt Protein Name	Galectin-9
UniProt Gene Name	LGALS9
UniProt Synonym Gene Names	Gal-9
UniProt Entry Name	LEG9_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.

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Online datasheet: <https://stage.aaabiotech.com/lgals9-human-elisa-kits/galectin-9/45826>