

Human Galectin-2 ELISA Kit | LGALS2 elisa kit

Human Galectin-2 PicoKine ELISA Kit

CATALOG #
AAA45947

REACTIVITY
Human

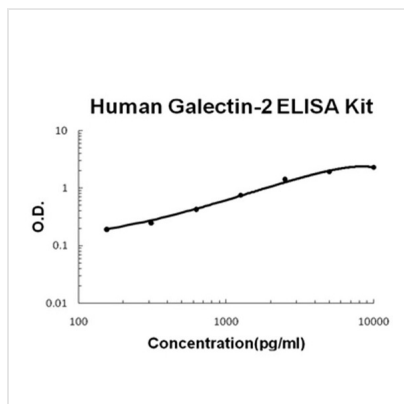
PRODUCT SYNONYMS

Galectin-2; Human Galectin-2 PicoKine ELISA Kit; lectin; galactoside-binding; soluble; 2; Beta galactoside binding lectin L14 II; Beta-galactoside-binding lectin L-14-II; CBP35; Gal-2; GAL3; GALBP; Galectin 2; GALIG; HL14; Lactose binding lectin 2; Lactose-binding lectin 2; LEG2_HUMAN; Lgals2; MAC2; S Lac lectin 2; S-Lac lectin 2; LGALS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Galectin-2
Sequence Length	132
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-2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS2 elisa kit	Principle of the assay: human Galectin-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Galectin-2 has been precoated onto 96-well plates. Standards(E.coli, M1-E132) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Galectin-2 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-2 amount of sample captured in plate. Background: Galectin-2 is a protein that in humans is encoded by the LGALS2 gene. It is mapped to 22q13.1. The protein encoded by this gene is a soluble beta-galactoside binding lectin. The encoded protein is found as a homodimer and can bind to lymphotoxin-alpha. It has been found that a single-nucleotide polymorphism in Galectin-2 is significantly associated with susceptibility to myocardial infarction. This genetic substitution affects the transcriptional level of Galectin-2 in vitro, potentially leading to altered secretion of LTA, to which Galectin-2 binds, which would then affect the degree of inflammation.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	585388
NCBI GeneID	3957
UniProt Accession #	P05162; Q6FGY4
Molecular Weight	14,644 Da
NCBI Official Full Name	Galectin-2
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 2
NCBI Official Symbol	LGALS2
NCBI Official Synonym Symbols	HL14
NCBI Protein Information	galectin-2; gal-2; galectin 2; S-Lac lectin 2; lactose-binding lectin 2; beta-galactoside-binding lectin L-14-II
UniProt Protein Name	Galectin-2
UniProt Gene Name	LGALS2
UniProt Synonym Gene Names	Gal-2
UniProt Entry Name	LEG2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lgals2-human-elisa-kits/galectin-2/45947>