

Human Galectin 12 ELISA Kit | GAL12 elisa kit

Human Galectin 12 (GAL12) ELISA Kit

CATALOG #
AAA144550

REACTIVITY
Human

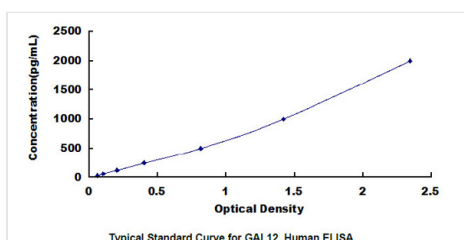
PRODUCT SYNONYMS

Galectin 12; Human Galectin 12 (GAL12) ELISA Kit; LGALS12; GRIP1; Lectin; Galactoside-Binding Soluble 12; Galectin-related inhibitor of proliferation; GAL12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Galectin 12 (GAL12). No significant cross-reactivity or interference between Galectin 12 (GAL12) and analogues was observed.
Sequence Length	266
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Galectin 12 (GAL12) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Galectin 12 (GAL12) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAL12 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Galectin 12 (GAL12). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Galectin 12 (GAL12). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Galectin 12 (GAL12), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Galectin 12 (GAL12) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GAL12 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	216547832
NCBI GeneID	85329
NCBI Accession #	NP_001136010.1
NCBI GenBank Nucleotide #	NM_001142538.1
Molecular Weight	37,629 Da
NCBI Official Full Name	galectin-12 isoform 5
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 12
NCBI Official Symbol	LGALS12
NCBI Official Synonym Symbols	GAL12; GRIP1
NCBI Protein Information	galectin-12
UniProt Protein Name	Galectin-12
UniProt Gene Name	LGALS12
UniProt Synonym Gene Names	GRIP1; Gal-12
UniProt Entry Name	LEG12_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/gal12-human-elisa-kits/galectin-12/144550>