

Canine Galectin 2 ELISA Kit | GAL2 elisa kit

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CATALOG #
AAA91958

REACTIVITY
Canine

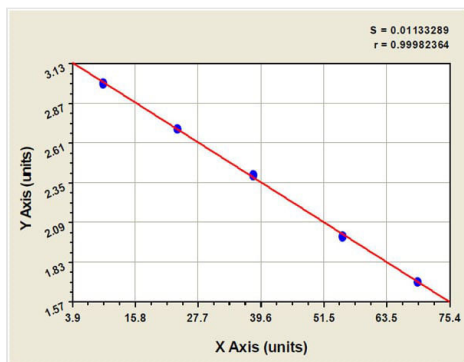
PRODUCT SYNONYMS

Galectin 2; Canine Galectin 2 ELISA Kit; GAL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GAL2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GAL2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAL2 elisa kit

Principle of the assay: GAL2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GAL2 antibody and an GAL2-HRP conjugate. The assay sample and buffer are incubated together with GAL2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GAL2 concentration since GAL2 from samples and GAL2-HRP conjugate compete for the anti-GAL2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GAL2 from the sample, fewer sites are left to bind GAL2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GAL2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729903
NCBI GeneID	3957
NCBI Accession #	NP_006489.1
NCBI GenBank Nucleotide #	NM_006498.2
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.