

Bovine Aggrecan ELISA Kit | AGC elisa kit

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CATALOG #
AAA88807

REACTIVITY
Bovine

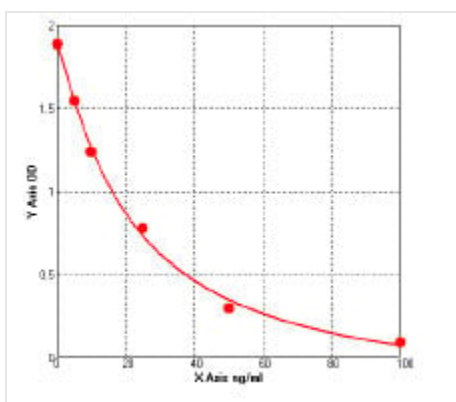
PRODUCT SYNONYMS

Aggrecan; Bovine Aggrecan ELISA Kit; AGC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGC elisa kit

Intended Uses: This AGL3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AGL3. This ELISA kit for research use only!

Principle of the Assay: AGL3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AGL3 antibody and an AGL3-HRP conjugate. The assay sample and buffer are incubated together with AGL3-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 AGL3 concentration since AGL3 from samples and AGL3-HRP conjugate compete for the anti-AGL3 antibody binding site. Since the number of sites is limited, as more sites are occupied by AGL3 from the sample, fewer sites are left to bind AGL3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AGL3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11990616
NCBI GeneID	58968
NCBI Accession #	NP_071526.1
NCBI GenBank Nucleotide #	NM_022190.1
Molecular Weight	225,171 Da
NCBI Official Full Name	aggrecan core protein
NCBI Official Synonym Full Names	aggrecan
NCBI Official Symbol	Acan
NCBI Official Synonym Symbols	Agc; Agc1
NCBI Protein Information	aggrecan core protein; CSPCP; aggrecan 1; cartilage-specific proteoglycan core protein; aggrecan, structural proteoglycan of cartilage
UniProt Protein Name	Aggrecan core protein
UniProt Gene Name	Acan
UniProt Synonym Gene Names	Agc; Agc1; CSPCP
UniProt Entry Name	PGCA_RAT

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.