

Canine Aggrecan ELISA Kit | AGC elisa kit

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CATALOG #
AAA92543

REACTIVITY
Canine

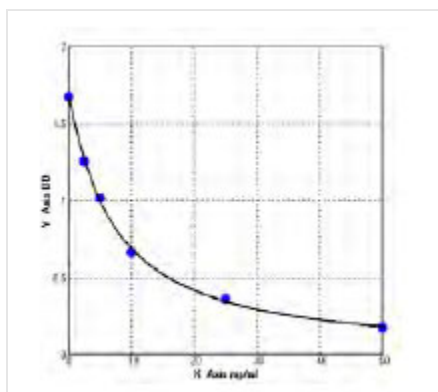
PRODUCT SYNONYMS

Aggrecan; Canine Aggrecan ELISA Kit; AGC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of AGC. No significant cross-reactivity or interference between AGC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AGC and all the analogues, therefore, cross reaction may still exist in some cases.
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 AGC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AGC. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AGC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AGC antibody and an AGC-HRP conjugate. The assay sample and buffer are incubated together with AGC-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 AGC concentration since AGC from samples and AGC-HRP conjugate compete for the anti-AGC antibody binding site. Since the number of sites is limited, as more sites are occupied by AGC from the sample, fewer sites are left to bind AGC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AGC concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AGC elisa kit	Signal Transduction

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/agc-canine-elisa-kits/aggrecan/92543>