

Rabbit Aggrecan (AGC) ELISA Kit | AGC elisa kit

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CATALOG #
AAA63971

REACTIVITY
Rabbit

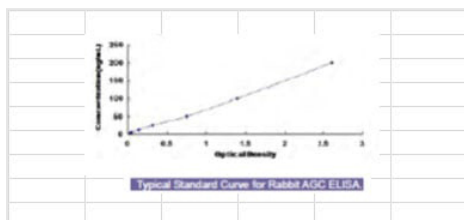
PRODUCT SYNONYMS

Aggrecan (AGC); Rabbit Aggrecan (AGC) ELISA Kit; ACAN AGC1 AGCAN CSPG1 CSPCP CSPGCP MSK16 SEDK Cartilage-specific proteoglycan core protein Large Aggregating Proteoglycan Chondroitin Sulfate Proteoglycan 1; AGC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
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.
Sequence Length	2167
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.12ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AGC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AGC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AGC in rabbit serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AGC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AGC. 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 AGC, 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 AGC in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	655895612
NCBI GeneID	100009079
NCBI Accession #	XP_008249943.1
NCBI GenBank Nucleotide #	XP_008249943.1
UniProt Accession #	G1U677; Q28670
Molecular Weight	222,612 Da
NCBI Official Full Name	aggrecan core protein isoform X1
NCBI Official Symbol	ACAN
NCBI Official Synonym Symbols	AGC1
NCBI Protein Information	aggrecan
UniProt Protein Name	Aggrecan core protein
UniProt Gene Name	ACAN

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.