

Rat Aggrecan (AGC) RTU ELISA Kit | AGC rtu elisa kit

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CATALOG #
AAA68946

REACTIVITY
Rat

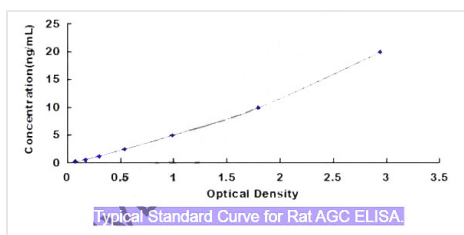
PRODUCT SYNONYMS

Aggrecan (AGC); Rat 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 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	2162
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.131ng/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 kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGC rtu elisa kit	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. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AGC in rat serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11990616
NCBI GeneID	58968
NCBI Accession #	NP_071526.1
NCBI GenBank Nucleotide #	NM_022190.1
UniProt Accession #	P07897
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
UniProt Protein Name	Aggrecan core protein
UniProt Gene Name	Acan
UniProt Synonym Gene Names	Agc; Agc1; CSPCP

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.