

Rat Aggrecan ELISA Kit | AGC elisa kit

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CATALOG #
AAA16039

REACTIVITY
Rat

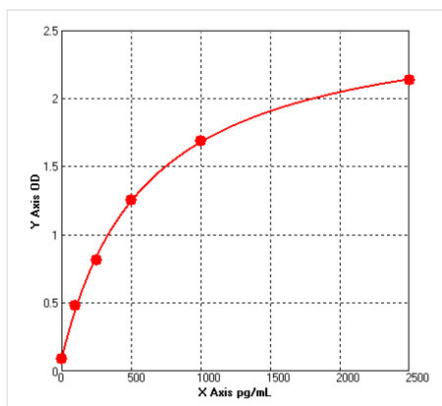
PRODUCT SYNONYMS

Aggrecan; Rat Aggrecan ELISA Kit; AGC 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. 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.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/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	Principle of the Assay: AGC ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for AGC. Standards or samples are then added to the microtiter plate wells and AGC if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of AGC present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for AGC are added to each well to "sandwich" the AGC immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain AGC and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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. Intended Uses: This AGC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AGC. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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.

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Online datasheet: <https://stage.aaabiotech.com/agg-rat-elisa-kits/aggrecan/16039>