

Human Aggrecan Core Protein (AGC1) ELISA Kit | AGC1 elisa kit

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CATALOG #
AAA331144

REACTIVITY
Human

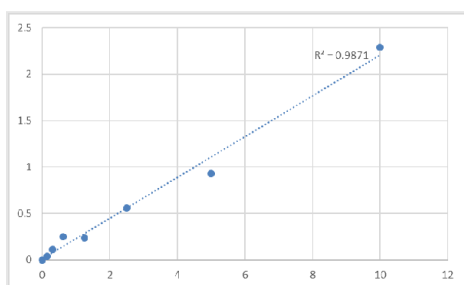
PRODUCT SYNONYMS

Aggrecan Core Protein (AGC1); Human Aggrecan Core Protein (AGC1) ELISA Kit; AGC1; AGCAN; CSPG1; CSPGCP; MSK16; SEDK; cartilage-specific proteoglycan core protein; chondroitin sulfate proteoglycan 1; large aggregating proteoglycan; AGC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Aggrecan core protein (AGC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human AGC1. No significant cross-reactivity or interference between Human AGC1 and analogues was observed.
Sequence Length	2415
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Aggrecan core protein (AGC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AGC1 elisa kit	Description: This Human Aggrecan core protein (AGC1) ELISA Kit employs a two-site sandwich ELISA to quantitate AGC1 in samples. An antibody specific for AGC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AGC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: AGC1 is a member of the aggrecan/versican proteoglycan family. Aggrecan core protein is an integral part of the extracellular matrix in cartilagenous tissue and it withstands compression in cartilage. Mutations in AGC1 may be involved in skeletal dysplasia and spinal degeneration. Multiple alternatively spliced transcript variants that encode different protein isoforms have been observed in AGC1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	129886
UniProt Accession #	P16112
NCBI Official Full Name	Aggrecan core protein
UniProt Protein Name	Aggrecan core protein
UniProt Gene Name	ACAN
UniProt Synonym Gene Names	AGC1; CSPG1; MSK16; CSPCP
UniProt Entry Name	PGCA_HUMAN

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/human-elisa-kits/aggrecan-core-protein-agc1/331144>