

Human Aggrecan core protein ELISA Kit | ACAN elisa kit

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CATALOG #
AAA99471

REACTIVITY
Human

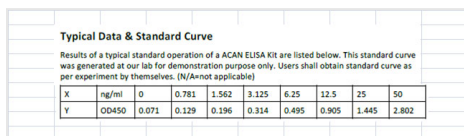
PRODUCT SYNONYMS

Aggrecan core protein; Human Aggrecan core protein ELISA Kit; ACAN/Aggrecan core protein/Cartilage-specific proteoglycan core protein/CSPCP/Chondroitin sulfate proteoglycan core protein 1/Chondroitin sulfate proteoglycan 1/AGC1/CSPG1/MSK16/AGCAN/CSPGCP/SEDK; ACAN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABO. No significant cross-reactivity or interference between ABO and analogues was observed.
Sequence Length	2530
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ABO were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ABO were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACAN elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ABO antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ABO antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ABO amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ABO can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	256017257
NCBI GeneID	176
NCBI Accession #	NP_037359.3
NCBI GenBank Nucleotide #	NM_013227.3
Molecular Weight	239,235 Da
NCBI Official Full Name	aggrecan core protein isoform 2
NCBI Official Synonym Full Names	aggrecan
NCBI Official Symbol	ACAN
NCBI Official Synonym Symbols	AGC1; SEDK; AGCAN; CSPG1; MSK16; CSPGCP
NCBI Protein Information	aggrecan core protein
UniProt Protein Name	Aggrecan core protein
UniProt Gene Name	ACAN
UniProt Synonym Gene Names	AGC1; CSPG1; MSK16; CSPCP; Chondroitin sulfate proteoglycan 1
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/acan-human-elisa-kits/aggrecan-core-protein/99471>