

Rat Decorin ELISA Kit | DCN elisa kit

Rat Decorin ELISA Kit

CATALOG # AAA101972	REACTIVITY Rat
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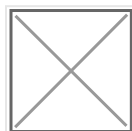
PRODUCT SYNONYMS

Decorin; Rat Decorin ELISA Kit; DCN/DSPG2/PG-II/PGS2/SLRR1B/Bone proteoglycan II/CSCD/decorin/decorin proteoglycan/dermatan sulphate proteoglycans II/DSPG2/PG40/PGII/PG-S2/proteoglycan core protein/SLRR1BPGS2/small leucine-rich protein 1B; DCN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of DCN. No significant cross-reactivity or interference between DCN and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between DCN and all the analogues, therefore, cross reaction may still exist.
Sequence Length	359
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DCN 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 DCN 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 DCN elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-DCN antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-DCN 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 DCN amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of DCN can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19743846
NCBI GeneID	1634
NCBI Accession #	NP_598010.1
NCBI GenBank Nucleotide #	NM_133503.3
Molecular Weight	8,266 Da
NCBI Official Full Name	decorin isoform a preproprotein
NCBI Official Synonym Full Names	decorin
NCBI Official Symbol	DCN
NCBI Official Synonym Symbols	CSCD; PG40; PGII; PGS2; DSPG2; SLRR1B
NCBI Protein Information	decorin
UniProt Protein Name	Decorin
UniProt Gene Name	DCN
UniProt Synonym Gene Names	SLRR1B
UniProt Entry Name	PGS2_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/dcn-rat-elisa-kits/decorin/101972>