

Human Decorin (DCN) ELISA Kit | DCN elisa kit

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CATALOG #
AAA139677

REACTIVITY
Human

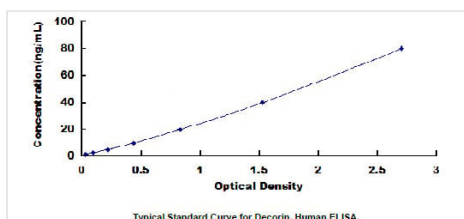
PRODUCT SYNONYMS

Decorin (DCN); Human Decorin (DCN) ELISA Kit; CSCD; DSPG2; PG40; PGII; PGS2; PG-S2; SLRR1B; Bone proteoglycan II; DCN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of decorin. No significant cross-reactivity or interference between decorin and analogues was observed.
Sequence Length	354
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	1.25-80ng/mL
Sensitivity	0.44ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level decorin 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 decorin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DCN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of decorin in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to decorin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to decorin. 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 decorin, 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 decorin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DCN elisa kit	Signal transduction; Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	54020664
NCBI GeneID	29139
NCBI Accession #	NP_077043.1
NCBI GenBank Nucleotide #	NM_024129.1
UniProt Accession #	Q01129
Molecular Weight	39,805 Da
NCBI Official Full Name	decorin
NCBI Official Synonym Full Names	decorin
NCBI Official Symbol	Dcn
NCBI Protein Information	decorin
UniProt Protein Name	Decorin
UniProt Gene Name	Dcn
UniProt Synonym Gene Names	DSPG
UniProt Entry Name	PGS2_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.