

Mouse Decorin ELISA Kit | DCN elisa kit

Mouse Decorin PicoKine ELISA Kit

CATALOG #
AAA45590

REACTIVITY
Mouse

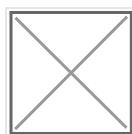
PRODUCT SYNONYMS

Decorin; Mouse Decorin PicoKine ELISA Kit; decorin; Bone proteoglycan II; CSCD; DCN; DCN protein; Decorin proteoglycan; Dermatan sulphate proteoglycans II; DKFZp686J19238; DSPG 2; DSPG2; PG 40 ; PG II; PG S2; PG-S2; PG40; PGII; PGS 2; PGS2; PGS2_HUMAN; Proteoglycan core protein; SLRR1B; Small leucine rich protein 1B; DCN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Decorin
Sequence Length	354
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Decorin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DCN elisa kit

Principle of the assay: mouse Decorin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Decorin has been precoated onto 96-well plates. Standards (NSO,D31-K354) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Decorin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse Decorin amount of sample captured in plate.

Background: Decorin is a proteoglycan on average 90 - 140 kilodaltons (kD) in size. It belongs to the small leucine-rich proteoglycan (SLRP) family and consists of a protein core containing leucine repeats with a glycosaminoglycan (GAG) chain consisting of either chondroitin sulfate (CS) or dermatan sulfate (DS). Using a genomic clone as the labeled probe and in situ hybridization of human metaphase chromosomes, decorin gene was mapped to the discrete region of human chromosome 12q23. Decorin is capable of suppressing the growth of various tumor cell lines when expressed ectopically.

NCBI AND UNIPROT INFORMATION

NCBI GI #	129952
NCBI GeneID	13179
UniProt Accession #	P28654
Molecular Weight	39,809 Da
NCBI Official Full Name	Decorin
NCBI Official Synonym Full Names	decorin
NCBI Official Symbol	Dcn
NCBI Official Synonym Symbols	DC; PG40; PGII; PGS2; mDcn; DSPG2; SLRR1B
NCBI Protein Information	decorin; bone proteoglycan II
UniProt Protein Name	Decorin
UniProt Gene Name	Dcn
UniProt Entry Name	PGS2_MOUSE

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-mouse-elisa-kits/decorin/45590>