

## Horse Decorin ELISA Kit | DCN elisa kit

Horse Decorin (DCN) ELISA Kit

CATALOG #  
**AAA55457**

REACTIVITY  
**Horse**

### PRODUCT SYNONYMS

Decorin; Horse Decorin (DCN) ELISA Kit; DCN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Horse                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Horse DCN. No significant cross-reactivity or interference between Horse DCN and analogues was observed.                   |
| Sequence Length         | 354                                                                                                                                                                                                   |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                             |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Detection Range         | 0.31 ng/mL - 20 ng/mL                                                                                                                                                                                 |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

#### Related Product Information for DCN elisa kit

Intended Uses: For the quantitative detection of Horse Decorin (DCN) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate DCN in Horse serum, plasma. An antibody specific for DCN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DCN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DCN 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 DCN bound in the initial step. The color development is stopped and the intensity of the color is measured.

### NCBI AND UNIPROT INFORMATION

|                           |                                |
|---------------------------|--------------------------------|
| NCBI GI #                 | <a href="#">126352546</a>      |
| NCBI GeneID               | <a href="#">100034120</a>      |
| NCBI Accession #          | <a href="#">NP_001075394.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_001081925.2</a> |
| UniProt Accession #       | <a href="#">O46542</a>         |

|                                  |            |
|----------------------------------|------------|
| Molecular Weight                 | 39,939 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                | <b>DCN</b> |
| UniProt Synonym Gene Names       | DS-PGII    |

**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://www.aaabiotech.com/dcn-horse-elisa-kits/decorin/55457>