

Mouse Versican (VS) ELISA Kit | VS elisa kit

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CATALOG #
AAA136083

REACTIVITY
Mouse

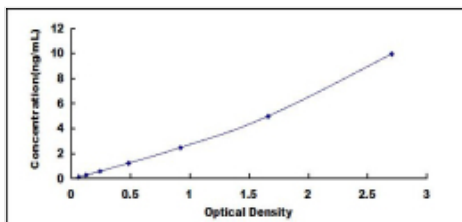
PRODUCT SYNONYMS

Versican (VS); Mouse Versican (VS) ELISA Kit; CSPG2; VCAN; ERVR; PG-M; WGN1; Chondroitin Sulfate Proteoglycan 2; Chondroitin sulfate proteoglycan core protein 2; Glial hyaluronate-binding; Large fibroblast proteoglycan; VS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Versican (VS). No significant cross-reactivity or interference between Versican (VS) and analogues was observed.
Sequence Length	3396
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Versican (VS) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Versican (VS) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 VS elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Versican (VS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Versican (VS). 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 Versican (VS), 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 Versican (VS) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for VS elisa kit	Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361116
NCBI GeneID	1462
NCBI Accession #	NP_004376.2
NCBI GenBank Nucleotide #	NM_004385.4
UniProt Accession #	P13611; P20754; Q13010; Q13189; Q15123; Q9UCL9; Q9UNW5
Molecular Weight	369,688 Da
NCBI Official Full Name	versican core protein isoform 1
NCBI Official Synonym Full Names	versican
NCBI Official Symbol	VCAN
NCBI Official Synonym Symbols	WGN; ERVR; GHAP; PG-M; WGN1; CSPG2
NCBI Protein Information	versican core protein
UniProt Protein Name	Versican core protein
UniProt Gene Name	VCAN
UniProt Synonym Gene Names	CSPG2; Chondroitin sulfate proteoglycan 2; GHAP
UniProt Entry Name	CSPG2_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/mouse-elisa-kits/versican-vs/136083>