

Human chondroitin sulfate proteoglycan 4 ELISA Kit | CSPG4 elisa kit

Human Chondroitin sulfate proteoglycan 4, CSPG4 ELISA Kit

CATALOG #
AAA112916

REACTIVITY
Human

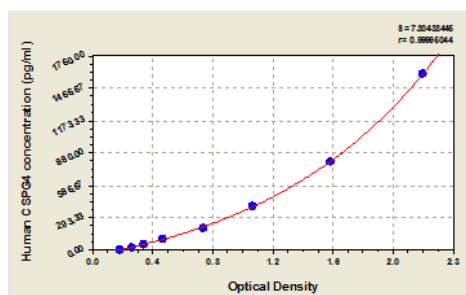
PRODUCT SYNONYMS

chondroitin sulfate proteoglycan 4; Human Chondroitin sulfate proteoglycan 4; CSPG4 ELISA Kit; Human Chondroitin sulfate proteoglycan 4 (CSPG4) ELISA kit; HMW-MAA; MCSP; MCSPG; MEL-CSPG; MSK16; NG2; chondroitin sulfate proteoglycan 4 (melanoma-associated) ; melanoma-associated chondroitin sulfate proteoglycan; CSPG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CSPG4. No significant cross-reactivity or interference between human CSPG4 and analogues was observed.
Sequence Length	2322
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	< 6.25 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSPG4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CSPG4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CSPG4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CSPG4 is added to the wells. After washing, avidin 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 CSPG4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47419930
NCBI GeneID	1464
NCBI Accession #	NP_001888.2
NCBI GenBank Nucleotide #	NM_001897.4
UniProt Accession #	Q6UVK1; Q92675; D3DW77
Molecular Weight	250,537 Da
NCBI Official Full Name	chondroitin sulfate proteoglycan 4
NCBI Official Synonym Full Names	chondroitin sulfate proteoglycan 4
NCBI Official Symbol	CSPG4
NCBI Official Synonym Symbols	NG2; MCSP; MCSPG; MSK16; HMW-MAA; MEL-CSPG
NCBI Protein Information	chondroitin sulfate proteoglycan 4; chondroitin sulfate proteoglycan NG2; melanoma chondroitin sulfate proteoglycan; melanoma-associated chondroitin sulfate proteoglycan; chondroitin sulfate proteoglycan 4 (melanoma-associated)
UniProt Protein Name	Chondroitin sulfate proteoglycan 4
UniProt Gene Name	CSPG4
UniProt Synonym Gene Names	MCSP
UniProt Entry Name	CSPG4_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/cspg4-human-elisa-kits/chondroitin-sulfate-proteoglycan-4/112916>