

Human Brevican ELISA Kit | BCAN elisa kit

Human Brevican PicoKine ELISA Kit

CATALOG #
AAA125232

REACTIVITY
Human

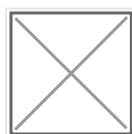
PRODUCT SYNONYMS

Brevican; Human Brevican PicoKine ELISA Kit; Human Brevican; brevican; Brevican core protein; Brain-enriched hyaluronan-binding protein; BEHAB; Chondroitin sulfate proteoglycan 7; BCAN; CSPG7; UNQ2525; PRO6018; BCAN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human BCAN
Sequence Length	911
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BCAN elisa kit	Principle of the Assay: The Picokine™ Human BCAN Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human BCAN with a 96-well strip plate that is pre-coated with antibody specific for BCAN. The detection antibody is a biotinylated antibody specific for BCAN. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human BCAN with immunogen: Expression system for standard: NSO, Immunogen sequence: D23-P911. The kit is analytically validated with ready to use reagents. To measure Human BCAN, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human BCAN in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human BCAN in the sample.!!Background/Introduction: Brevican core protein is a protein that in humans is encoded by the BCAN gene. This gene is mapped to 1q23.1. Brevican is a member of the lectican protein family. Brevican is localised to the surface of neurons in the brain. In melanocytic cells, BCAN gene expression may be regulated by MITF. This gene encodes a member of the lectican family of chondroitin sulfate proteoglycans that is specifically expressed in the central nervous system. This protein is developmentally regulated and may function in the formation of the brain extracellular matrix. This protein is highly expressed in gliomas and may promote the growth and cell motility of brain tumor cells. Alternate splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38372935
NCBI GeneID	63827
NCBI Accession #	NP_068767.3
NCBI GenBank Nucleotide #	NP_068767.3
UniProt Accession #	Q96GW7
NCBI Official Full Name	brevican core protein isoform 1
NCBI Official Synonym Full Names	brevican
NCBI Official Symbol	BCAN
NCBI Official Synonym Symbols	BEHAB; CSPG7
NCBI Protein Information	brevican core protein
UniProt Protein Name	Brevican core protein
UniProt Gene Name	BCAN
UniProt Synonym Gene Names	BEHAB; CSPG7; BEHAB
UniProt Entry Name	PGCB_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.