

ARG82476 Human Brevican ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82476-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82476-002	Standard	2 X 10 ng/vial	4°C
ARG82476-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82476-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82476-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82476-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82476-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82476-008	25X Wash buffer	20 ml	4°C
ARG82476-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82476-010	STOP solution	10 ml (Ready to use)	4°C
ARG82476-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82476 Human Brevican ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Brevican in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Brevican
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 7.0%

Alternate Names	BEHAB; Chondroitin sulfate proteoglycan 7; CSPG7; Brain-enriched hyaluronan-binding protein; Brevican core protein
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Application Instructions

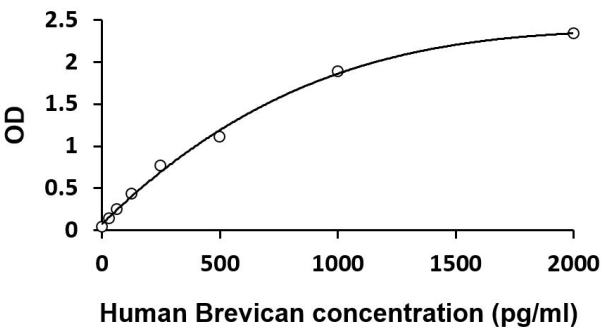
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	BCAN
Gene Full Name	brevican
Background	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. [provided by RefSeq, Sep 2011]
Function	May play a role in the terminally differentiating and the adult nervous system during postnatal development. Could stabilize interactions between hyaluronan (HA) and brain proteoglycans. [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Contains mostly chondroitin sulfate (By similarity). O-glycosylated with a core 1 or possibly core 8 glycan. [UniProt]
Cellular Localization	Isoform 1: Secreted, extracellular space, extracellular matrix. Isoform 2: Membrane; Lipid-anchor, GPI-anchor. [UniProt]



ARG82476 Human Brevican ELISA Kit standard curve image

ARG82476 Human Brevican ELISA Kit results of a typical standard run with optical density reading at 450 nm.