

Human Brain Protein 44 Like Protein (BRP44L) RTU ELISA Kit | BRP44L rtu elisa kit

Human Brain Protein 44 Like Protein (BRP44L) ELISA Kit

CATALOG #
AAA69416

REACTIVITY
Human

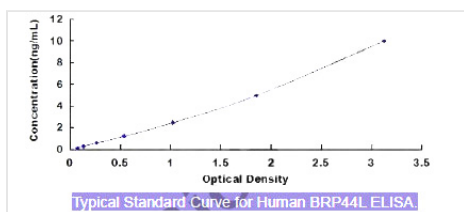
PRODUCT SYNONYMS

Brain Protein 44 Like Protein (BRP44L); Human Brain Protein 44 Like Protein (BRP44L) ELISA Kit; CGI-129; MPC1; Mitochondrial Pyruvate Carrier Protein 1; BRP44L rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BRP44L. No significant cross-reactivity or interference between BRP44L and analogues was observed.
Sequence Length	109
Samples	Human tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.073ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BRP44L were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BRP44L were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BRP44L rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of BRP44L in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BRP44L. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BRP44L. 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 BRP44L, 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 BRP44L in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706369
NCBI GeneID	51660
NCBI Accession #	NP_057182.1
NCBI GenBank Nucleotide #	NM_016098.3
UniProt Accession #	Q9Y5U8; Q5TI66; Q9HB67; Q9UQN4; B2R5I7
Molecular Weight	12,347 Da
NCBI Official Full Name	mitochondrial pyruvate carrier 1 isoform 1
NCBI Official Synonym Full Names	mitochondrial pyruvate carrier 1
NCBI Official Symbol	MPC1
NCBI Official Synonym Symbols	MPYCD; BRP44L; CGI-129; SLC54A1; dJ68L15.3
NCBI Protein Information	mitochondrial pyruvate carrier 1
UniProt Protein Name	Mitochondrial pyruvate carrier 1
UniProt Gene Name	MPC1
UniProt Synonym Gene Names	BRP44L

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/brain-protein-44-like-protein-brp44l/69416>