

Human 3-Hydroxybutyrate Dehydrogenase 1 (BDH1) RTU ELISA Kit | BDH1 rtu elisa kit

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CATALOG #
AAA69328

REACTIVITY
Human

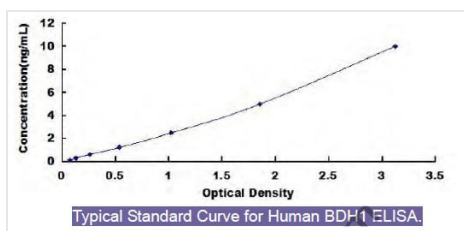
PRODUCT SYNONYMS

3-Hydroxybutyrate Dehydrogenase 1 (BDH1); Human 3-Hydroxybutyrate Dehydrogenase 1 (BDH1) ELISA Kit; DBH; SDR9C1; D-beta-Hydroxybutyrate Dehydrogenase; Mitochondrial; Short Chain Dehydrogenase/Reductase Family 9C; Member 1; BDH1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AVPR1A. No significant cross-reactivity or interference between AVPR1A and analogues was observed.
Sequence Length	343
Samples	Rat Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.130ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AVPR1A 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 AVPR1A 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 BDH1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AVPR1A in rat serum, plasma, 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 AVPR1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AVPR1A. 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 AVPR1A, 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 AVPR1A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17738292
NCBI GeneID	622
NCBI Accession #	NP_004042.1
NCBI GenBank Nucleotide #	NM_004051.4
UniProt Accession #	Q02338; Q96ET1; Q9BRZ4; D3DXC0
Molecular Weight	38,157 Da
NCBI Official Full Name	D-beta-hydroxybutyrate dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	3-hydroxybutyrate dehydrogenase 1
NCBI Official Symbol	BDH1
NCBI Official Synonym Symbols	BDH; SDR9C1
NCBI Protein Information	D-beta-hydroxybutyrate dehydrogenase, mitochondrial
UniProt Protein Name	D-beta-hydroxybutyrate dehydrogenase, mitochondrial
UniProt Gene Name	BDH1
UniProt Synonym Gene Names	BDH

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/human-rtu-elisa-kits/3-hydroxybutyrate-dehydrogenase-1-bdh1/69328>