

Human D-beta-hydroxybutyrate dehydrogenase, mitochondrial ELISA Kit | BDH1 elisa kit

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CATALOG #
AAA100697

REACTIVITY
Human

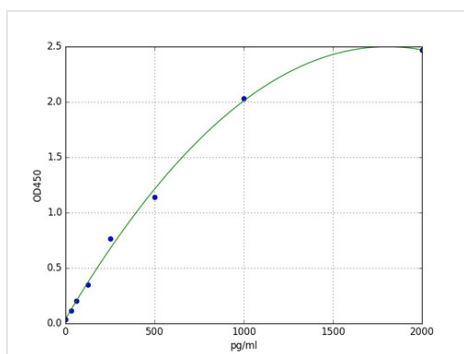
PRODUCT SYNONYMS

D-beta-hydroxybutyrate dehydrogenase; mitochondrial; Human D-beta-hydroxybutyrate dehydrogenase; mitochondrial ELISA Kit; BDH1 (D-beta-hydroxybutyrate dehydrogenase; mitochondrial)/BDH/3-hydroxybutyrate dehydrogenase; BDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	343
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a human BDH1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.051	0.070	0.115	0.195	0.361	0.667	1.212	2.075

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BDH1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human BDH1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-human BDH1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human BDH1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of human BDH1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	44680136
NCBI GeneID	622
NCBI Accession #	NP_976059.1
NCBI GenBank Nucleotide #	NM_203314.2
Molecular Weight	38,157 Da
NCBI Official Full Name	D-beta-hydroxybutyrate dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	3-hydroxybutyrate dehydrogenase, type 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; SDR9C1; BDH
UniProt Entry Name	BDH_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/bdh1-human-elisa-kits/d-beta-hydroxybutyrate-dehydrogenase-mitochondrial/100697>