

Human D2-Hydroxyglutarate Dehydrogenase (D2HGDH) ELISA Kit | D2HGDH elisa kit

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CATALOG #
AAA41794

REACTIVITY
Human

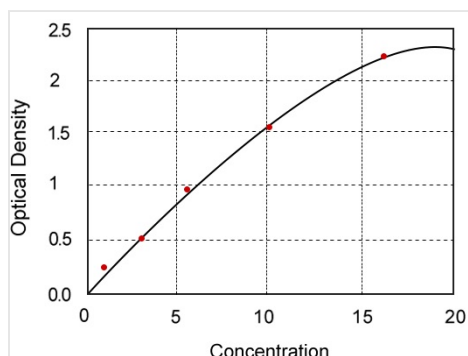
PRODUCT SYNONYMS

D2-Hydroxyglutarate Dehydrogenase (D2HGDH); Human D2-Hydroxyglutarate Dehydrogenase (D2HGDH) ELISA Kit; D2HGDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	521
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.05ng/ml - 30ng/ml
Sensitivity	0.021ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for D2HGDH elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human D2-Hydroxyglutarate (also known as D2HGDH) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human D2HGDH antibody. D2HGDH present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human D2HGDH Antibody is added and binds to D2HGDH in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated D2HGDH antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human D2HGDH. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119964728
NCBI GeneID	728294
NCBI Accession #	NP_689996.4
NCBI GenBank Nucleotide #	NM_152783.4
UniProt Accession #	Q8N465; Q6IQ24; Q8N5Q8; B4E3L6; E7ENP2
Molecular Weight	32,933 Da
NCBI Official Full Name	D-2-hydroxyglutarate dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	D-2-hydroxyglutarate dehydrogenase
NCBI Official Symbol	D2HGDH
NCBI Official Synonym Symbols	D2HGD
NCBI Protein Information	D-2-hydroxyglutarate dehydrogenase, mitochondrial
UniProt Protein Name	D-2-hydroxyglutarate dehydrogenase, mitochondrial
UniProt Gene Name	D2HGDH
UniProt Synonym Gene Names	D2HGD

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-elisa-kits/d2-hydroxyglutarate-dehydrogenase-d2hgdh/41794>