

Human Isocitrate dehydrogenase [NADP], mitochondrial ELISA Kit | IDH2 elisa kit

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CATALOG #
AAA56864

REACTIVITY
Human

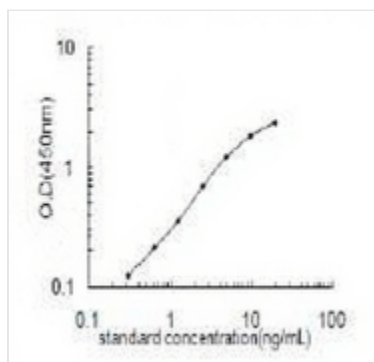
PRODUCT SYNONYMS

Isocitrate dehydrogenase [NADP]; mitochondrial; Human Isocitrate dehydrogenase [NADP]; mitochondrial ELISA Kit; IDH; ICD-M; IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase; IDH2; 1.1.1.42; IDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Recombinant and natural Human Isocitrate dehydrogenase [NADP], mitochondrial, IDH
Sequence Length	400
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.312-20 ng/mL
Sensitivity	< 0.098 ng/mL
Intra-assay Precision	Intra-Assay CV: ≤4.4%
Inter-assay Precision	Inter-Assay CV: ≤7.1%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDH2 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen 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 #	583966148
NCBI GeneID	3418
NCBI Accession #	NP_001276839.1
NCBI GenBank Nucleotide #	NM_001289910.1
UniProt Accession #	P48735; Q96GT3; B2R6L6; B4DFL2
Molecular Weight	45,180 Da
NCBI Official Full Name	isocitrate dehydrogenase
NCBI Official Synonym Full Names	isocitrate dehydrogenase 2 (NADP+), mitochondrial
NCBI Official Symbol	IDH2
NCBI Official Synonym Symbols	IDH; IDP; IDHM; IDPM; ICD-M; D2HGA2; mNADP-IDH
NCBI Protein Information	isocitrate dehydrogenase [NADP], mitochondrial
UniProt Protein Name	Isocitrate dehydrogenase [NADP], mitochondrial
UniProt Gene Name	IDH2
UniProt Synonym Gene Names	IDH
UniProt Entry Name	IDHP_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/idh2-human-elisa-kits/isocitrate-dehydrogenase-nadp-mitochondrial/56864>