

Mouse Isocitrate dehydrogenase [NADP], mitochondrial (IDH2) ELISA Kit | IDH2 elisa kit

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CATALOG #
AAA246768

REACTIVITY
Mouse

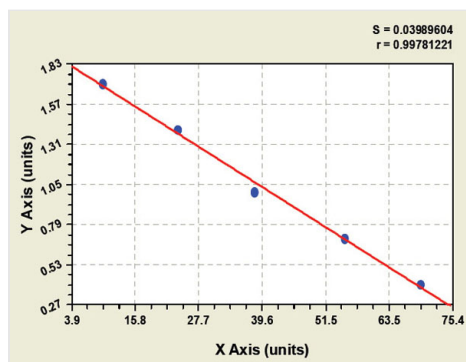
PRODUCT SYNONYMS

Isocitrate dehydrogenase [NADP]; mitochondrial (IDH2); Mouse Isocitrate dehydrogenase [NADP]; mitochondrial (IDH2) ELISA Kit; IDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This IDH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse IDH2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDH2 elisa kit

Principle of the assay: IDH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IDH2 antibody and an IDH2-HRP conjugate. The assay sample and buffer are incubated together with IDH2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IDH2 concentration since IDH2 from samples and IDH2-HRP conjugate compete for the anti-IDH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by IDH2 from the sample, fewer sites are left to bind IDH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IDH2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	440198646
Molecular Weight	5,213 Da
NCBI Official Full Name	IDH2, partial
UniProt Protein Name	IDH2
UniProt Gene Name	IDH2
UniProt Entry Name	T1QFW9_NEOPH

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/mouse-elisa-kits/isocite-dehydrogenase-nadp-mitochondrial-idh2/246768>