

Human Isocitrate Dehydrogenase 1, Soluble (IDH1) ELISA Kit | IDH1 elisa kit

Human Instant Isocitrate Dehydrogenase 1, Soluble (IDH1) ELISA Kit

CATALOG #
AAA140645

REACTIVITY
Human

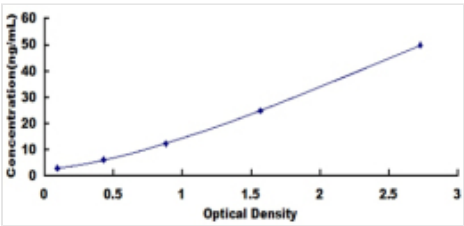
PRODUCT SYNONYMS

Isocitrate Dehydrogenase 1; Soluble (IDH1); Human Instant Isocitrate Dehydrogenase 1; Soluble (IDH1) ELISA Kit; PICD; IDP; Oxalosuccinate decarboxylase; NADP(+)-specific ICDH; Cytosolic NADP-isocitrate dehydrogenase; IDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Instant Isocitrate Dehydrogenase 1, Soluble (IDH1). No significant cross-reactivity or interference between Instant Isocitrate Dehydrogenase 1, Soluble (IDH1) and analogues was observed.
Sequence Length	286
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.37ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Instant Isocitrate Dehydrogenase 1, Soluble (IDH1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Instant Isocitrate Dehydrogenase 1, Soluble (IDH1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDH1 elisa kit	The test principle applied in this kit is enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Instant Isocitrate Dehydrogenase 1, Soluble (IDH1). Standards or samples and HRP-labeled detection antibody specific to Instant Isocitrate Dehydrogenase 1, Soluble (IDH1) (Detection Reagent A) are then added to the appropriate microtiter plate wells. Next, TMB substrate solution is added, only those wells that contain Instant Isocitrate Dehydrogenase 1, Soluble (IDH1), and HRP-labeled detection antibody 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 Instant Isocitrate Dehydrogenase 1, Soluble (IDH1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IDH1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119590846
NCBI GeneID	3417
NCBI Official Full Name	isocitrate dehydrogenase 1 (NADP+), soluble, isoform CRA_b

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/isocitrate-dehydrogenase-1-soluble-idh1/140645>