

Datasheet for ABIN5656119 **IDH1 CLIA Kit**



[Go to Product page](#)

Overview

Quantity: 96 tests

Target: IDH1

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 7.81 ng/mL - 500 ng/mL

Minimum Detection Limit: 7.81 ng/mL

Application: ELISA

Product Details

Sample Type: Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Homogenate

Analytical Method: Quantitative

Detection Method: Chemiluminescent

Specificity: This assay has high sensitivity and excellent specificity for detection of Isocitrate Dehydrogenase 1, Soluble (IDH1). No significant cross-reactivity or interference between Isocitrate Dehydrogenase 1, Soluble (IDH1) and analogues was observed.

Sensitivity: 0.28 ng/mL

Target Details

Target: IDH1

Alternative Name: Isocitrate Dehydrogenase 1, Soluble ([IDH1 Products](#))

Target Details

Background:	Gene Name: Isocitrate Dehydrogenase 1, Soluble Gene Aliases: PICD, IDP, Oxalosuccinate decarboxylase, NADP(+)-specific ICDH, Cytosolic NADP-isocitrate dehydrogenase
Gene ID:	3417
UniProt:	O75874
Pathways:	Warburg Effect

Application Details

Comment:	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.
Assay Time:	2 - 3 h
Plate:	Pre-coated
Protocol:	The microplate provided in this kit has been pre-coated with an antibody specific to Isocitrate Dehydrogenase 1, Soluble (IDH1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Isocitrate Dehydrogenase 1, Soluble (IDH1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Isocitrate Dehydrogenase 1, Soluble (IDH1) level in the sample or standard.,
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 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 Isocitrate Dehydrogenase 1, Soluble (IDH1) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Restrictions:	For Research Use only

Handling

Handling Advice:	Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption.
Storage:	4 °C,-20 °C
Storage Comment:	-20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.
Expiry Date:	4-8 months