

Mouse Cell Division Cycle Protein 25 (CDC25) ELISA Kit | CDC25 elisa kit

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CATALOG #
AAA63607

REACTIVITY
Mouse

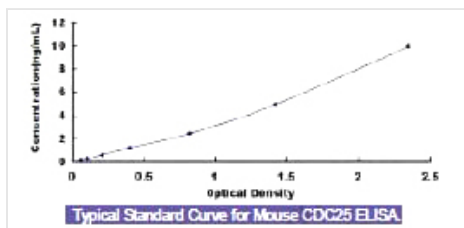
PRODUCT SYNONYMS

Cell Division Cycle Protein 25 (CDC25); Mouse Cell Division Cycle Protein 25 (CDC25) ELISA Kit; CDC25A; CDC25A2; M-phase inducer phosphatase 1; CDC25 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CDC25. No significant cross-reactivity or interference between CDC25 and analogues was observed.
Sequence Length	514
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CDC25 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CDC25 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDC25 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CDC25 in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CDC25. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CDC25. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CDC25, biotin-conjugated antibody and enzyme-conjugated Avidin 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 CDC25 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 #	92373436
NCBI GeneID	12530
NCBI Accession #	NP_031684.3
NCBI GenBank Nucleotide #	NM_007658.3
UniProt Accession #	P48964; E9PVD0
Molecular Weight	57,806 Da
NCBI Official Full Name	M-phase inducer phosphatase 1
NCBI Official Synonym Full Names	cell division cycle 25A
NCBI Official Symbol	Cdc25a
NCBI Official Synonym Symbols	D9ErtD393e
NCBI Protein Information	M-phase inducer phosphatase 1
UniProt Protein Name	M-phase inducer phosphatase 1
UniProt Gene Name	Cdc25a
UniProt Synonym Gene Names	Cdc25m3

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cell-division-cycle-protein-25-cdc25/63607>