

Mouse Doublecortin Like Kinase 1 (DCLK1) ELISA Kit | DCLK1 elisa kit

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CATALOG # AAA63517	REACTIVITY Mouse
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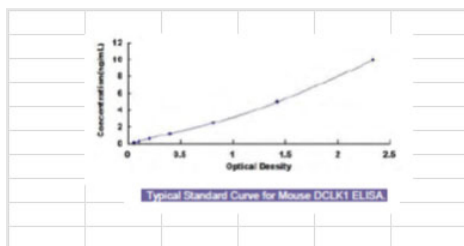
PRODUCT SYNONYMS

Doublecortin Like Kinase 1 (DCLK1); Mouse Doublecortin Like Kinase 1 (DCLK1) ELISA Kit; DCDC3A; DCLK; DCAMKL1; Doublecortin And CaM Kinase-Like 1; Doublecortin domain-containing protein 3A; Doublecortin-like and CAM kinase-like 1; DCLK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DCLK1. No significant cross-reactivity or interference between DCLK1 and analogues was observed.
Sequence Length	756
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DCLK1 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 DCLK1 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 DCLK1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DCLK1 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DCLK1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DCLK1. 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 DCLK1, 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 DCLK1 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 #	9910164
NCBI GeneID	13175
NCBI Accession #	NP_064362.1
NCBI GenBank Nucleotide #	NM_019978.3
UniProt Accession #	Q9JLM8; Q6P207
Molecular Weight	40,409 Da
NCBI Official Full Name	serine/threonine-protein kinase DCLK1 isoform 1
NCBI Official Synonym Full Names	doublecortin-like kinase 1
NCBI Official Symbol	Dclk1
NCBI Official Synonym Symbols	Dcl; Dclk; Cpg16; Click-I; Dcamk1; AI836758; mKIAA0369; 1700113D08Rik; 2810480F11Rik
NCBI Protein Information	serine/threonine-protein kinase DCLK1
UniProt Protein Name	Serine/threonine-protein kinase DCLK1
UniProt Gene Name	Dclk1
UniProt Synonym Gene Names	Dcamk1; Dclk

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.