

Mouse Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC) ELISA Kit | PRKDC elisa kit

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CATALOG #
AAA136111

REACTIVITY
Mouse

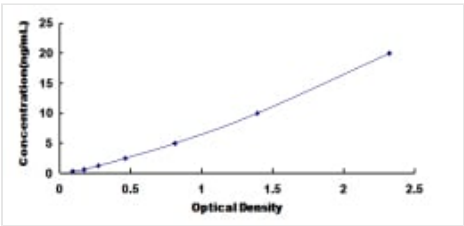
PRODUCT SYNONYMS

Protein Kinase; DNA Activated; Catalytic Polypeptide (PRKDC); Mouse Protein Kinase; Catalytic Polypeptide (PRKDC) ELISA Kit; HYRC; HYRC1; DNPK1; p350; DNAPK; XRCC7; DNA-PKcs; PRKDC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC). No significant cross-reactivity or interference between Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC) and analogues was observed.
Sequence Length	3096
Assay Type	Double-antibody Sandwich
Samples	Saliva, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.118ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC) 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 PRKDC elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC). 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 Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC), 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 Protein Kinase, DNA Activated, Catalytic Polypeptide (PRKDC) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PRKDC elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	148664987
NCBI GeneID	19090
UniProt Accession #	P97313; O88187; P97928; Q307W9; Q3V2W8; Q8C2A7; Q9Z341; E9QN15
Molecular Weight	96,914 Da
NCBI Official Full Name	protein kinase, DNA activated, catalytic polypeptide
NCBI Official Synonym Full Names	protein kinase, DNA activated, catalytic polypeptide
NCBI Official Symbol	Prkdc
NCBI Official Synonym Symbols	p460; scid; slip; DNAPK; DNPk1; HYRC1; XRCC7; dxnph; DOXNPH; DNAPDcs; AI326420; AU019811; DNA-PKcs
NCBI Protein Information	DNA-dependent protein kinase catalytic subunit
UniProt Protein Name	DNA-dependent protein kinase catalytic subunit
UniProt Gene Name	Prkdc
UniProt Synonym Gene Names	Xrcc7; DNA-PK catalytic subunit; DNA-PKcs
UniProt Entry Name	PRKDC_MOUSE

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.