# Mouse Protein kinase C delta type (PRKCD) ELISA Kit

Catalog No: #EK8244

Package Size: #EK8244-1 48T #EK8244-2 96T

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## Description

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| Product Name | Mouse Protein kinase C delta type (PRKCD) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Mouse (Mus musculus) |
| Other Names | MAY1; MGC49908; PKCD; nPKC-delta; protein kinase C delta VIII |
| Accession No. | P28867 |
| Uniprot | P28867 |
| GeneID | 18753; |
| Storage | The stability of ELISA 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.<br>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

## Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.54 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PRKCD in samples. An antibody specific for PRKCD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRKCD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRKCD is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRKCD bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The genes encoding the protein kinase C enzymes are widely distributed, e.g., PRKCA on chromosome 17, PRKCB1 on 16, and PRKCG on 19. Although the sequence homology among the PRKC family of genes is extensive, the pattern of expression varies among tissues. For example, the delta polypeptide appears to be the major isoform expressed in mouse hematopoietic cells. Mischak et al. (1991) isolated and characterized the mouse Prkcd gene.Aris et al. (1993) found that PKC-delta underwent calcium-independent autophosphorylation in the presence of phosphatidylserine and diacylglycerol. Diacylglycerol was an absolute requirement for PKC-delta activation. This and other cofactor and substrate requirements distinguished human PKC-delta from its mouse homolog.
Organism species: Homo sapiens (Human)

Note: This product is for in vitro research use only