

## Porcine Protein Kinase C Gamma ELISA Kit | PKCg elisa kit

Porcine Protein Kinase C Gamma ELISA Kit

CATALOG #  
**AAA96272**

REACTIVITY  
**Porcine**

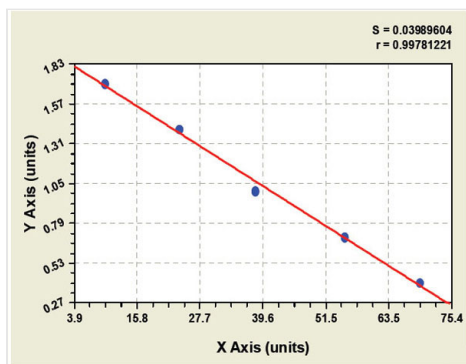
### PRODUCT SYNONYMS

Protein Kinase C Gamma; Porcine Protein Kinase C Gamma ELISA Kit; PKCg elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Intended Uses           | This PKCg ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PKCg. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PKCg elisa kit

**Principle of the Assay:** PKCg ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKCg antibody and an PKCg-HRP conjugate. The assay sample and buffer are incubated together with PKCg-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PKCg concentration since PKCg from samples and PKCg-HRP conjugate compete for the anti-PKCg antibody binding site. Since the number of sites is limited, as more sites are occupied by PKCg from the sample, fewer sites are left to bind PKCg-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKCg concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                              |
|----------------------------------|------------------------------|
| NCBI GI #                        | 13161278                     |
| NCBI GeneID                      | 5582                         |
| Molecular Weight                 | 78,448 Da                    |
| NCBI Official Full Name          | protein kinase C gamma       |
| NCBI Official Synonym Full Names | protein kinase C, gamma      |
| NCBI Official Symbol             | PRKCG                        |
| NCBI Official Synonym Symbols    | PKCC; PKCG; SCA14; PKC-gamma |
| NCBI Protein Information         | protein kinase C gamma type  |
| UniProt Protein Name             | Protein kinase C gamma type  |
| UniProt Gene Name                | <b>PRKCG</b>                 |
| UniProt Synonym Gene Names       | PKCG; PKC-gamma              |
| UniProt Entry Name               | KPCG_HUMAN                   |

**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.

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Online datasheet: <https://stage.aaabiotech.com/pkcg-porcine-elisa-kits/protein-kinase-c-gamma/96272>