

## Human Protein Kinase C alpha (PKCalpha) ELISA Kit | PKCalpha elisa kit

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CATALOG #  
**AAA43992**

REACTIVITY  
**Human**

### PRODUCT SYNONYMS

Protein Kinase C alpha (PKCalpha); Human Protein Kinase C alpha (PKCalpha) ELISA Kit; PKCalpha elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Human                                                                    |
| Sequence Length         | 57                                                                       |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 0.05ng/ml - 20ng/ml                                                      |
| Sensitivity             | 0.023ng/ml                                                               |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PKCalpha elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Human Protein Kinase C Alpha (also known as PKCA) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principles of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human PKCA antibody. PKCA present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human PKCA Antibody is added and binds to PKCA in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated PKCA antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human PKCA. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 15099971                                         |
| NCBI GeneID                      | 5578                                             |
| Molecular Weight                 | 76,750 Da                                        |
| NCBI Official Full Name          | protein kinase C alpha, partial                  |
| NCBI Official Synonym Full Names | protein kinase C alpha                           |
| NCBI Official Symbol             | PRKCA                                            |
| NCBI Official Synonym Symbols    | AAG6; PKCA; PRKACA; PKCI+/-; PKCalpha; PKC-alpha |
| NCBI Protein Information         | protein kinase C alpha type                      |
| UniProt Protein Name             | Protein kinase C alpha type                      |
| UniProt Gene Name                | <b>PRKCA</b>                                     |
| UniProt Synonym Gene Names       | PKCA; PRKACA; PKC-A; PKC-alpha                   |

**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://www.aaabiotech.com/human-elisa-kits/protein-kinase-c-alpha-pkcalpha/43992>