

Human Protein kinase A ELISA Kit | PKA elisa kit

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CATALOG #
AAA83949

REACTIVITY
Human

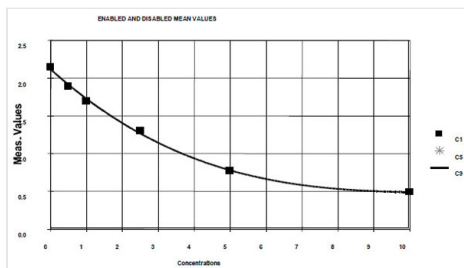
PRODUCT SYNONYMS

Protein kinase A; Human Protein kinase A ELISA Kit; PKA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKA elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This PVRL1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PVRL1 in the sample, this PVRL1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PVRL1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of PVRL1 utilizes a multiclonal anti-PVRL1 antibody and an PVRL1-HRP conjugate. The assay sample and buffer are incubated together with PVRL1-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 PVRL1 concentration since PVRL1 from samples and PVRL1-HRP conjugate compete for the anti-PVRL1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PVRL1 from the sample, fewer sites are left to bind PVRL1-HRP conjugate. Standards of known PVRL1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of PVRL1. The PVRL1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PKA elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	349929923
Molecular Weight	44,865 Da
NCBI Official Full Name	protein kinase A
UniProt Protein Name	Protein kinase A
UniProt Entry Name	H2KTF1_CLOSI

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/pka-human-elisa-kits/protein-kinase-a/83949>