

Mouse Pituitary adenylate cyclase activating polypeptide ELISA Kit | PACAP elisa kit

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CATALOG #
AAA15990

REACTIVITY
Mouse

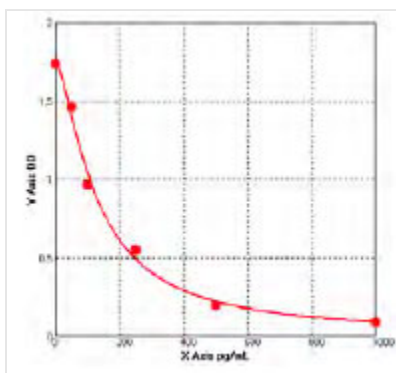
PRODUCT SYNONYMS

Pituitary adenylate cyclase activating polypeptide; Mouse Pituitary adenylate cyclase activating polypeptide ELISA Kit; PACAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PACAP elisa kit

Intended Uses: This PA-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PA-Ab. This ELISA kit for research use only!

Principle of the Assay: PA-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing a platelet antigen and an PA-Ab-HRP conjugate. The assay sample and buffer are incubated together with PA-Ab-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 PA-Ab concentration since PA-Ab from samples and PA-Ab-HRP conjugate compete for the platelet antigen binding site. Since the number of sites is limited, as more sites are occupied by PA-Ab from the sample, fewer sites are left to bind PA-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PA-Ab concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PACAP elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	245806
NCBI GeneID	116
Molecular Weight	18,835 Da
NCBI Official Full Name	pituitary adenylate cyclase activating polypeptide
NCBI Official Synonym Full Names	adenylate cyclase activating polypeptide 1 (pituitary)
NCBI Official Symbol	ADCYAP1
NCBI Official Synonym Symbols	PACAP
NCBI Protein Information	pituitary adenylate cyclase-activating polypeptide; prepro-PACAP
UniProt Protein Name	Pituitary adenylate cyclase-activating polypeptide
UniProt Gene Name	ADCYAP1
UniProt Synonym Gene Names	PACAP; PACAP-27; PACAP27; PACAP-38; PACAP38
UniProt Entry Name	PACA_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://www.aaabiotech.com/pacap-mouse-elisa-kits/pituitary-adenylate-cyclase-activating-polypeptide/15990>