

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

Human Pituitary adenylate cyclase activating polypeptide (PACAP) ELISA Kit

CATALOG #
AAA55446

REACTIVITY
Human

PRODUCT SYNONYMS

Pituitary adenylate cyclase activating polypeptide; Human Pituitary adenylate cyclase activating polypeptide (PACAP) ELISA Kit; PACAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PACAP. No significant cross-reactivity or interference between Human PACAP and analogues was observed.
Sequence Length	176
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/mL - 100 ng/mL
Sensitivity	0.78 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PACAP elisa kit

Intended Uses: For the quantitative detection of Human Pituitary adenylate cyclase activating polypeptide (PACAP) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PACAP in Human serum, plasma. An antibody specific for PACAP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PACAP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PACAP 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 PACAP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153266792
NCBI GeneID	116
NCBI Accession #	NP_001093203.1
NCBI GenBank Nucleotide #	NM_001099733.1
UniProt Accession #	P18509 ; Q52LQ0 ; B2R7N4

Molecular Weight	18,835 Da
NCBI Official Full Name	pituitary adenylate cyclase-activating polypeptide preproprotein
NCBI Official Synonym Full Names	adenylate cyclase activating polypeptide 1
NCBI Official Symbol	ADCYAP1
NCBI Official Synonym Symbols	PACAP
NCBI Protein Information	pituitary adenylate cyclase-activating polypeptide
UniProt Protein Name	Pituitary adenylate cyclase-activating polypeptide
UniProt Gene Name	ADCYAP1
UniProt Synonym Gene Names	PACAP; PACAP-27; PACAP27; PACAP-38; PACAP38

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-human-elisa-kits/pituitary-adenylate-cyclase-activating-polypeptide/55446>