

Human PACAP-38 ELISA Kit | PACAP-38 elisa kit

Human PACAP-38 (Pituitary Adenylate Cyclase Activating Polypeptide 38) ELISA Kit

CATALOG #
AAA21850

REACTIVITY
Human

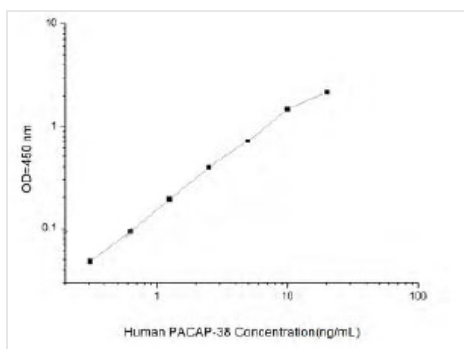
PRODUCT SYNONYMS

PACAP-38; Human PACAP-38 (Pituitary Adenylate Cyclase Activating Polypeptide 38) ELISA Kit; PACAP-38 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human PACAP-38 in samples. No significant cross-reactivity or interference between Human PACAP-38 and analogues was observed.
Sequence Length	447
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human PACAP-38 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human PACAP-38 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PACAP-38 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human PACAP-38. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human PACAP-38 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human PACAP-38, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human PACAP-38. You can calculate the concentration of Human PACAP-38 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human PACAP-38 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	313851023
NCBI GeneID	117
NCBI Accession #	NP_001186566.1
NCBI GenBank Nucleotide #	NM_001199637.1
UniProt Accession #	P41586; Q17S10; A8K1Y1; B7ZLA7; B8ZZK3
Molecular Weight	46,957 Da
NCBI Official Full Name	pituitary adenylate cyclase-activating polypeptide type I receptor isoform 4
NCBI Official Synonym Full Names	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I
NCBI Official Symbol	ADCYAP1R1
NCBI Official Synonym Symbols	PAC1; PAC1R; PACAPR; PACAPRI
NCBI Protein Information	pituitary adenylate cyclase-activating polypeptide type I receptor; PACAP receptor 1; PACAP type I receptor; PACAP-R1; pituitary adenylate cyclase activating polypeptide 1 receptor type I Hiphop
UniProt Protein Name	Pituitary adenylate cyclase-activating polypeptide type I receptor
UniProt Gene Name	ADCYAP1R1
UniProt Synonym Gene Names	PACAP type I receptor; PACAP-R-1; PACAP-R1
UniProt Entry Name	PACR_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.