

Human Vasoactive Intestinal Peptide (VIP) ELISA Kit | VIP elisa kit

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CATALOG #
AAA66476

REACTIVITY
Human

PRODUCT SYNONYMS

Vasoactive Intestinal Peptide (VIP); Human Vasoactive Intestinal Peptide (VIP) ELISA Kit; PHM27; Intestinal peptide PHV-42; Peptide histidine valine 42; Peptide histidine methioninamide 27; VIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VIP. No significant cross-reactivity or interference between VIP and analogues was observed.
Sequence Length	170
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	7.81-500pg/mL
Sensitivity	<2.34pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VIP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VIP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for VIP elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of VIP in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to VIP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled VIP and unlabeled VIP (Standards or samples) with the pre-coated antibody specific to VIP. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of VIP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of VIP in the sample.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507897
NCBI GeneID	7432
NCBI Accession #	NP_003372.1

NCBI GenBank Nucleotide #	NM_003381.3
UniProt Accession #	P01282 ; Q5TCY8 ; Q5TCY9 ; Q96QK3
Molecular Weight	19,082 Da
NCBI Official Full Name	VIP peptides isoform 1 preproprotein
NCBI Official Synonym Full Names	vasoactive intestinal peptide
NCBI Official Symbol	VIP
NCBI Official Synonym Symbols	PHM27
NCBI Protein Information	VIP peptides
UniProt Protein Name	VIP peptides
UniProt Gene Name	VIP
UniProt Synonym Gene Names	VIP

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/vasoactive-intestinal-peptide-vip/66476>