

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

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CATALOG #
AAA137577

REACTIVITY
Human

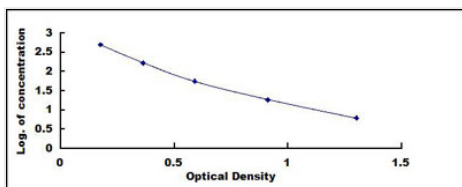
PRODUCT SYNONYMS

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 Vasoactive Intestinal Peptide (VIP). No significant cross-reactivity or interference between Vasoactive Intestinal Peptide (VIP) and analogues was observed.
Sequence Length	169
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	2.63pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Vasoactive Intestinal Peptide (VIP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Vasoactive Intestinal Peptide (VIP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VIP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Vasoactive Intestinal Peptide (VIP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Vasoactive Intestinal Peptide (VIP) and unlabeled Vasoactive Intestinal Peptide (VIP) (Standards or samples) with the pre-coated antibody specific to Vasoactive Intestinal Peptide (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 Vasoactive Intestinal Peptide (VIP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Vasoactive Intestinal Peptide (VIP) in the sample.
Product Categories/Family for VIP elisa kit	Endocrinology; Gastroenterology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	37588853
NCBI GeneID	7432
NCBI Accession #	NP_919416.1
NCBI GenBank Nucleotide #	NM_194435.2
UniProt Accession #	P01282; Q5TCY8; Q5TCY9; Q96QK3
Molecular Weight	19,082 Da
NCBI Official Full Name	VIP peptides isoform 2 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
UniProt Entry Name	VIP_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/human-elisa-kits/vasoactive-intestinal-peptide-vip/137577>