

Human Vasoactive Intestinal Peptide Receptor 1 (VIPR1) ELISA Kit | VIPR1 elisa kit

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CATALOG #
AAA64785

REACTIVITY
Human

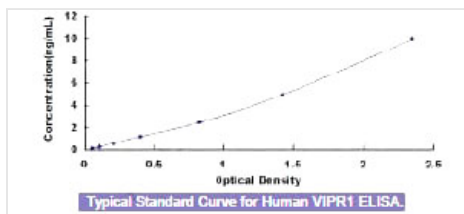
PRODUCT SYNONYMS

Vasoactive Intestinal Peptide Receptor 1 (VIPR1); Human Vasoactive Intestinal Peptide Receptor 1 (VIPR1) ELISA Kit; HVR1; PACAP-R-2; RDC1; VAPC1; VIPR; VIRG; VPAC1; Pituitary adenylate cyclase-activating polypeptide type II receptor; VIPR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VIPR1. No significant cross-reactivity or interference between VIPR1 and analogues was observed.
Sequence Length	416
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.045ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VIPR1 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 VIPR1 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VIPR1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of VIPR1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VIPR1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VIPR1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain VIPR1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of VIPR1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	353523862
NCBI GeneID	7433
NCBI Accession #	NP_001238811.1
NCBI GenBank Nucleotide #	NM_001251882.1
UniProt Accession #	P32241; Q15871; Q6P2M6; A5JUT9; B3KPV1; B4DEB5; B4DGI4; F5H1F5; G3V0I1
Molecular Weight	47,201 Da
NCBI Official Full Name	vasoactive intestinal polypeptide receptor 1 isoform 2
NCBI Official Synonym Full Names	vasoactive intestinal peptide receptor 1
NCBI Official Symbol	VIPR1
NCBI Official Synonym Symbols	II; HVR1; RDC1; V1RG; VIPR; VIRG; VAPC1; VPAC1; VPAC1R; VIP-R-1; VPCAP1R; PACAP-R2; PACAP-R-2
NCBI Protein Information	vasoactive intestinal polypeptide receptor 1
UniProt Protein Name	Vasoactive intestinal polypeptide receptor 1
UniProt Gene Name	VIPR1
UniProt Synonym Gene Names	VIP-R-1; PACAP type II receptor; PACAP-R-2; PACAP-R2

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://stage.aaabiotech.com/human-elisa-kits/vasoactive-intestinal-peptide-receptor-1-vipr1/64785>