

Canine Vasoactive intestinal peptide ELISA Kit | VIP elisa kit

Canine Vasoactive intestinal peptide ELISA Kit

CATALOG #
AAA88804

REACTIVITY
Canine

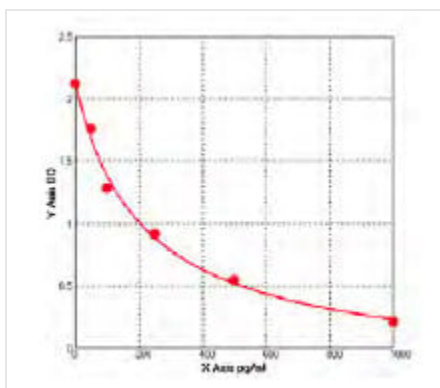
PRODUCT SYNONYMS

Vasoactive intestinal peptide; Canine Vasoactive intestinal peptide ELISA Kit; VIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VIP elisa kit

Intended Uses: This VIP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine VIP. This ELISA kit for research use only!

Principle of the Assay: VIP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-VIP antibody and an VIP-HRP conjugate. The assay sample and buffer are incubated together with VIP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VIP concentration since VIP from samples and VIP-HRP conjugate compete for the anti-VIP antibody binding site. Since the number of sites is limited, as more sites are occupied by VIP from the sample, fewer sites are left to bind VIP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VIP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	340248
NCBI GeneID	7432
Molecular Weight	19,082 Da
NCBI Official Full Name	vasoactive intestinal peptide, partial
NCBI Official Synonym Full Names	vasoactive intestinal peptide
NCBI Official Symbol	VIP
NCBI Official Synonym Symbols	PHM27
NCBI Protein Information	VIP peptides; prepro-VIP
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.