

**ARG81246  
VIP ELISA Kit**Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81246 VIP ELISA Kit is an Enzyme Immunoassay kit for the quantification of VIP in serum and plasma.
Tested Reactivity	Hu, Ms, Rat, Gpig, Pig, Sheep
Tested Application	ELISA
Specificity	Cross Reactivity: VIP (Human, Rat, Mouse, Porcine, Ovine and Guinea pig): 100%. VIP (10-28) (Human, Porcine, Rat): 34.6%. VIP (Chicken): 28%.
Target Name	VIP
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.09 ng/ml
Detection Range	Linear range: 0.09 - 0.81 ng/ml
Sample Type	Serum and Plasma.
Standard Range	0.04 - 25 ng/ml
Sample Volume	50 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 15%
Alternate Names	Vasoactive intestinal polypeptide; PHM27; VIP peptides; Peptide histidine valine 42; VIP; Peptide histidine methioninamide 27

### Application Instructions

Assay Time	~4.5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	VIP
Gene Full Name	vasoactive intestinal peptide
Background	The protein encoded by this gene belongs to the glucagon family. It stimulates myocardial contractility,

causes vasodilation, increases glycogenolysis, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2014]

#### Function

VIP causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder.

PHM and PHV also cause vasodilation. PHM-27 is a potent agonist of the calcitonin receptor CALCR, with similar efficacy as calcitonin. [UniProt]

#### Highlight

Related products:

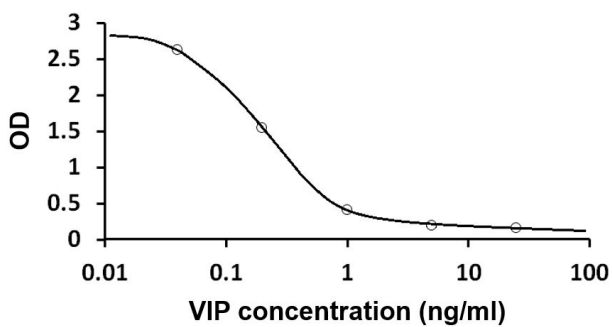
[VIP antibodies](#); [VIP ELISA Kits](#); [VIP Duos / Panels](#);

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

## Images

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ARG81246 VIP ELISA Kit standard curve image

ARG81246 VIP ELISA Kit results of a typical standard run with optical density reading at 450 nm.