



BMA BIOMEDICALS



Peninsula Laboratories

T-4116

Rabbit anti Vasoactive Intestinal Peptide (VIP) (human, mouse, rat) [UniProt: P01282, P32648, P01283]

Vasoactive intestinal peptide (VIP) is a 28 amino acid neuropeptide that is vasoactive in the intestine. It belongs to a glucagon/secretin superfamily, the ligand of class II G protein-coupled receptors. VIP is produced in many tissues of vertebrates including the gut, pancreas, and suprachiasmatic nuclei of the hypothalamus in the brain. VIP functions as neuromodulator and neurotransmitter, and it is known to regulate muscle activity, epithelial cell secretion, and blood flow in the gastrointestinal tract.

This antibody was generated by immunization of rabbits with Vasoactive Intestinal Peptide coupled to a carrier protein

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO2172
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a powder lyophilized from 1ml diluted antibody solution. This powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% ProClin 150, and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Vasoactive Intestinal Peptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-His-Ser-Asp-Ala-Val-Phe-Thr-Asp-Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH ₂ coupled to a carrier protein.

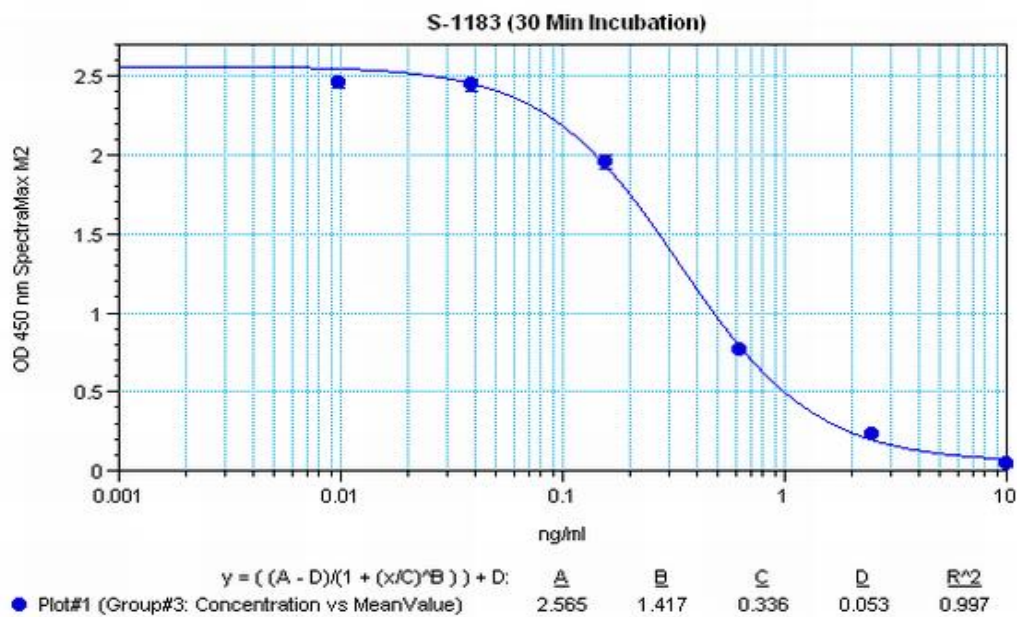
Cross-Reactivity:

PEPTIDE:	%
VIP (human, mouse, rat)	100
VIP (Guinea Pig)	100
VIP (10-28) (human, porcine, rat)	4.4

Cross-Reactivity (continued):

VIP (Chicken)	<1
PACAP-27 (human, mouse, ovine, porcine, rat)	<0.02
VIP (1-12) (human, bovine, porcine, rat)	0
PHM-27 (human)	0
Substance P	0
Endothelin-1 (human, porcine, canine, rat, mouse, bovine)	0
Secretin (porcine)	0
Glucagon (1-29) (human, bovine, porcine)	0
Galanin (rat)	0
Somatostatin-14	0
PACAP (1-38) amide (human, mouse, ovine, porcine, rat)	0
PACAP (16-38) amide (human, ovine, rat)	0

Typical titration curve of VIP in a competitive ELISA with the antibody from rabbit host:



Related Products: S-1183: ELISA, high sensitivity for extracted samples (hu, ms, rt).
S-1201: ELISA, extraction-free for human serum and plasma samples.
S-1202: ELISA, extraction-free for rat serum and plasma samples
S-1471: ELISA, extraction-free for mouse serum and plasma samples
T-4245: purified IgG, host: rabbit
T-4246: neat antiserum, host: rabbit
T-5029: diluted antiserum, host: guinea pig

This product contains ProClin 150 as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4116

diluted antiserum

9.7.2021