
Vasoactive Intestinal Peptide Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250236

Unit: 0.2 mg

Description:

Vasoactive intestinal peptide (VIP) is a 28-amino-acid peptide belonging to the secretin-glucagon family of peptide hormones. Its sequence is identical in man, ox, pig and rat. VIP is widely distributed in the central and peripheral nervous systems, acting as a neurotransmitter or neuromodulator. Peripherally it is involved in vaso- and bronchodilatation, smooth muscle relaxation and stimulation of secretion. Ectopic endocrine tumors secreting VIP (VIPomas) give rise to raised plasma levels of VIP and are associated with watery diarrhea, hypokalemia and achlorhydria syndrome. VIP shows high sequence homology with peptide histidine-methionine (PHM) in man or peptide histidine-serine (PHI) in pigs or rats, present in the same precursor, and with the neuropeptide pituitary adenylate cyclase activating polypeptide (PACAP). This antibody binds to human, bovine, porcine or rat VIP, but does not bind to PHM or PACAP.

Isotype: Mouse IgG1/k

Applications: E

Species Reactivity: H, R, B

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: VIP peptides; Vasoactive intestinal peptide

Accession No.: P01282

Antigen: Vasoactive intestinal peptide coupled to carrier

Application Notes: The dilution guideline of 1:1,000 applies to VIP coated directly at 2 µg/mL. For glutaraldehyde-linked VIP-ovalbumin (molar ratio 4:1) coated at 2 µg/mL, the dilution is 1:32,000. E: 1:1,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.