
PHM Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250230

Unit: 0.2 mg

Description:

Human peptide histidine-methionine (PHM) is a 27-amino-acid peptide belonging to the glucagon-secretin family of peptide hormones. PHM is produced from the same prohormone as VIP, with which it shows considerable sequence homology. The VIP/PHM prohormone is produced by neurons in the central and peripheral nervous systems, often together with acetylcholine. In some situations the effect of the peptides is to reinforce and prolong the effects of neurotransmitter release. Like VIP, PHM is a vasodilator and stimulator of intestinal fluid secretion. High plasma levels of PHM are diagnostic of the corresponding peptide-producing tumor (VIPoma), associated with the watery diarrhea-hypokalemia-achlorhydria syndrome. This antibody binds human PHM and cross-reacts with PACAP (approximately 12%, incomplete non-parallel inhibition). This antibody does not cross-react with GLP-1, GLP-2, VIP or glucagon.

Isotype: Mouse IgG2a/k

Applications: E

Species Reactivity: H

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: Peptide Histidine-Methionine; VIP; Vasoactive intestinal polypeptide

Accession No.: P63289

Antigen: Synthetic human peptide histidine-methionine coupled to carrier

Application Notes: Product Cat. No. 250230 binds free PHM in solution. The ELISA dilution guideline of 1:2,000 applies to PHM coated directly at 2 ug/ml. For glutaraldehyde-linked PHM-ovalbumin (molar ratio 4:1) coated at 1 µg/mL the dilution is 1:30,000. E: 1:2,000

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.