



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti FMRFamide (Molluscan Cardioexcitatory)

FMRFamide (Molluscan Cardioexcitatory) (H-Phe-Met-Arg-Phe-NH₂) is a neuropeptide from a broad family of FMRFamide-related peptides (FaRPs) all sharing an -RFamide sequence at their C-terminus. It is an important neuropeptide in several phyla such as Insecta, Nematoda, Mollusca, and Annelida. FMRFamide is the most abundant neuropeptide in endocrine cells of insect alimentary tracts along with allatostatin and tachykinin families, however the neuropeptide's function is not known. In invertebrates, the FMRFamide-related peptides are known to affect heart rate, blood pressure, gut motility, feeding behaviour and reproduction. In vertebrates such as mice, they are known to affect opioid receptors resulting in elicitation of naloxone-sensitive antinociception and reduction of morphine-induced antinociception.

This antibody was generated by immunization of rabbits with FMRFamide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4321 (Lot 014661)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human, mouse, rabbit, rat
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Phe-Met-Arg-Phe-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
H-Phe-Met-Arg-Phe- NH ₂	100
Tyr-Gly-Gly-Phe-Met-Arg-Phe-NH ₂	100
H-Gly-Asp-Pro-Phe-Leu-Arg-Phe- NH ₂	86
Pyr-Asp-Pro-Phe-Leu-Arg-Phe- NH ₂	61
H-Ser-Asp-Pro-Phe-Leu-Arg-Phe- NH ₂	34

Cross-Reactivity:

PEPTIDE	%
γ 1-MSH	20
NPY (porcine)	<0.1
ANF (1-28) (human)	<0.02
Substance P	<0.02
Endothelin-1 (human, porcine, dog, rat, mouse, bovine)	<0.02
Gastrin I (Human)	0
H-Phe-Met-Arg-Phe-OH	0
Met-Enkephalin	0

Applications:

Tested in ELISA against FMRFamide and in immunohistochemistry (IHC). Other applications like FACS and 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

Related Products:

T-4322: Rabbit anti FMRFamide, neat antiserum
T-4568: Rabbit anti FMRFamide, diluted antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.