



BMA BIOMEDICALS



Peninsula Laboratories

T-4321

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

Lot number:	n/a
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	Original vial: at least 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 FMRFamide. 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-Phe-Met-Arg-Phe-NH ₂ coupled to a 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
γ1-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

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. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4321

rabbit IgG

1.3.2021