



BMA BIOMEDICALS



Peninsula Laboratories

T-4301

Rabbit anti Met-Enkephalin-Arg-Phe

Met-Enkephalin is an endogenous opioid pentapeptide that has opioid effects of a relatively short duration. It is one of the two forms of enkephalin, the other being leu-enkephalin. The enkephalins are considered to be the primary endogenous ligands of the δ -opioid receptor, due to their high potency and selectivity for the site over the other endogenous opioids. Met-enkephalin is found mainly in the adrenal medulla and throughout the central nervous system (CNS). It is synthesized from proenkephalin via proteolytic cleavage. As a result, its cleavage generates: the met-enkephalin derivatives, the heptapeptide met-enkephalin-arg-phe (261–267), and the octapeptide met-enkephalin-arg-gly-leu (186–193).

This antibody was generated by immunization of rabbits with Methionine Enkephalin-Arg-Phe coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
Host species:	Rabbit IgG
Quantity:	400 μ g
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 ^o - 8 ^o C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20 ^o C or below.
Applications:	This antibody has been tested and validated in ELISA against Met-Enkephalin-Arg-Phe. 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-Tyr-Gly-Gly-Phe-Met-Arg-Phe-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Met-Enkephalin-Arg-Phe	100
Met-Enkephalin-Arg-Gly-Leu	<0.01
Leu-Enkephalin	0
Met-Enkephalin	0
β -Endorphin (human)	0
BAM 22 (bovine)	0
Peptide F (bovine)	0
BAM-3200	0
Dynorphin A	0
ACTH (1-39) (human)	0
Endothelin-1 (human, bovine, porcine, dog, rat, mouse)	0

Related Products: S-1419: Met-Enkephalin ELISA, high sensitivity for extracted samples
S-1541: Leu-Enkephalin ELISA, high sensitivity for extracted samples
T-4288: rabbit anti Leu-Enkephalin, diluted antiserum
T-4289: rabbit anti Leu-Enkephalin, purified IgG
T-4290: rabbit anti Leu-Enkephalin, neat antiserum
T-4292: rabbit anti Met-Enkephalin, diluted antiserum
T-4297: rabbit anti Met-Enkephalin-Arg-Gly-Leu, purified IgG
T-4298: rabbit anti Met-Enkephalin-Arg-Gly-Leu, neat antiserum
T-4302: rabbit anti Met-Enkephalin-Arg-Phe, neat 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.

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rabbit IgG

1.3.2021