



BMA BIOMEDICALS



Peninsula Laboratories

T-4289

Rabbit anti Leu-Enkephalin

Leu-enkephalin is an endogenous opioid peptide neurotransmitter that is found naturally in the brains of many animals, including humans. It is one of the two forms of enkephalin; the other is met-enkephalin. The tyrosine residue at position 1 is thought to be analogous to the 3-hydroxyl group on morphine. Leu-enkephalin has agonistic actions at both the μ - and δ -opioid receptors, with significantly greater preference for the latter.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	034441
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 $^{\circ}$ - 8 $^{\circ}$ C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20 $^{\circ}$ C or below.
Applications:	This antibody has been tested and validated in ELISA against Leu-Enkephalin. 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-Leu-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Leucine-Enkephalin	100
Dynorphin A	29
Dynorphin A (1-8)	8
Peptide F (bovine)	5
Met-Enkephalin	3
Met-Enkephalin-Arg-Gly-Leu	0.2
Leu-Enkephalin-Arg	0.2
β -Endorphin (human)	<0.01
ACTH (1-39) (human)	0
Endothelin-1 (human, dog, porcine, rat, mouse, bovine)	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-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
T-4301: rabbit anti Met-Enkephalin-Arg-Phe, purified IgG

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

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