



BMA BIOMEDICALS



Peninsula Laboratories

T-4288

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:	n/a
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
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 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 carrier protein.

Cross-Reactivity:

PEPTIDE:	%
Leu-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, canine, 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-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
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.

T-4288

diluted antiserum

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