



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4292

### Rabbit anti Met-Enkephalin

Met-enkephalin is a pentapeptide, sometimes referred to as opioid growth factor (OGF). It is a naturally occurring, endogenous opioid peptide 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  $\delta$ -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).

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

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml diluted antiserum, lyophilized
<b>Format:</b>	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 <sub>3</sub> , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	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.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Met-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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Try-Gly-Gly-Phe-Met-OH coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%</b>
Met-Enkephalin	100
Met-Enkephalin-Arg-Phe	0
Leu-Enkephalin	1
Met-Enkephalin-Arg-Gly-Leu	0
Dynorphin A (1-17)	0
$\beta$ -Endorphin (human)	0
ACTH (1-39) (human)	0
Endothelin-1 (human, porcine)	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-4293: rabbit anti Leu-Enkephalin, purified IgG  
T-4297: rabbit anti Met-Enkephalin-Arg-Gly-Leu, purified IgG  
T-4298: rabbit anti Met-Enkephalin-Arg-Gly-Leu, neat antiserum  
T-4301: rabbit anti Met-Enkephalin-Arg-Phe, purified IgG  
T-4302: rabbit anti Met-Enkephalin-Arg-Phe, neat antiserum

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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-4292

diluted antiserum

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