



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1419 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 ELISA was developed with serum from rabbits immunized with Met-Enkephalin coupled to a carrier protein.

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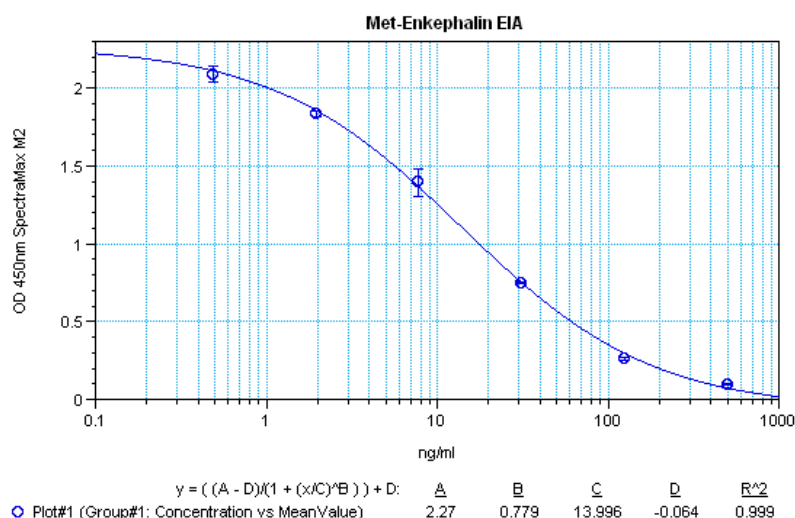
### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A18012
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Formulated for extracted samples (EIAH type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0 - 500ng/ml
<b>Average IC50:</b>	14ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Try-Gly-Gly-Phe-Met-OH coupled to carrier protein.

#### Cross-Reactivity:

PEPTIDE:	%:
Met-Enkephalin	100
Leu-Enkephalin	0

Typical titration curve of Met-Enkephalin in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.49 to 500ng/ml
<b>Stock</b>	1000	
<b>S1</b>	500.00	Add 250µl Stock + 250µl diluent
<b>S2</b>	125.00	Add 200µl S1 + 600µl diluent
<b>S3</b>	31.25	Add 200µl S2 + 600µl diluent
<b>S4</b>	7.81	Add 200µl S3 + 600µl diluent
<b>S5</b>	1.95	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.49	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products:

- 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-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

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.

S-1419

EIAH

16.11.2020