

## Product datasheet for **AM01180PU-N**

### Enkephalin (PENK) Mouse Monoclonal Antibody [Clone ID: 1194/334]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1194/334
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Mammalian
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Native.
Specificity:	This antibody reacts to MET-Enkephalin. Cross reactivities with other enkephalins to be determined.
Formulation:	PBS, pH 7.2 containing 10 mM Sodium Azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	proenkephalin
Database Link:	<a href="#">Entrez Gene 5179 Human P01210</a>



[View online »](#)

<b>Background:</b>	Met-enkephalin (tyr-gly-gly-phe-met) and leu-enkephalin (tyr-gly-gly-phe-leu) are pentapeptides which compete with and mimic the effects of opiate drugs. Although interest in enkephalins stems largely from their possible role in the brain, the richest source of these peptides is the adrenal gland. The amino acid sequence shows that the precursor is 267 amino acids long and contains 6 interspersed Met-enkephalin sequences and 1 Leu-enkephalin sequence. The precursor does not contain the sequences of dynorphin, alpha-neo-endorphin or beta-endorphin. (Because of structural similarities it had been postulated that beta-endorphin is precursor of Met-enkephalin, and that dynorphin or alpha-neo-endorphin is precursor of Leu-enkephalin.)
<b>Synonyms:</b>	preproenkephalin; proenkephalin
<b>Protein Families:</b>	Secreted Protein