



Competitive Enzyme Immunoassay Kit

Methionine-Enkephalin

Catalog No: CEK 0230-00

Background:

Methionine-Enkephalin is an endogenous opioid peptide neurotransmitter found naturally in the brains of many animals, including humans. It is one of the two forms of Enkephalin. Enkephalin is a pentapeptide involved in regulating nociception in the body. The Enkephalins are termed endogenous ligands, or specifically Endorphins, as they are internally derived and bound to the body's opioid receptors. Two forms of Enkephalin were revealed, i.e. Methionine-Enkephalin and Leucine-Enkephalin, and both are products of the proenkephalin gene.

Kit application: CEK Methionine-Enkephalin is a 96 wells competitive immunoassay Kit. It can be applied for the analysis of Methionine-Enkephalin in serum, plasma, or tissue extracts in pharmacokinetics, peptide delivery study and other purposes.

This kit is for research use only.

Application Note: Room Temperature, 3 hours assay, 50ul sample size

Storage: 2 – 5 °C

Detection Method: Colorimetric

Range: 0.1 – 1,000 ng / ml

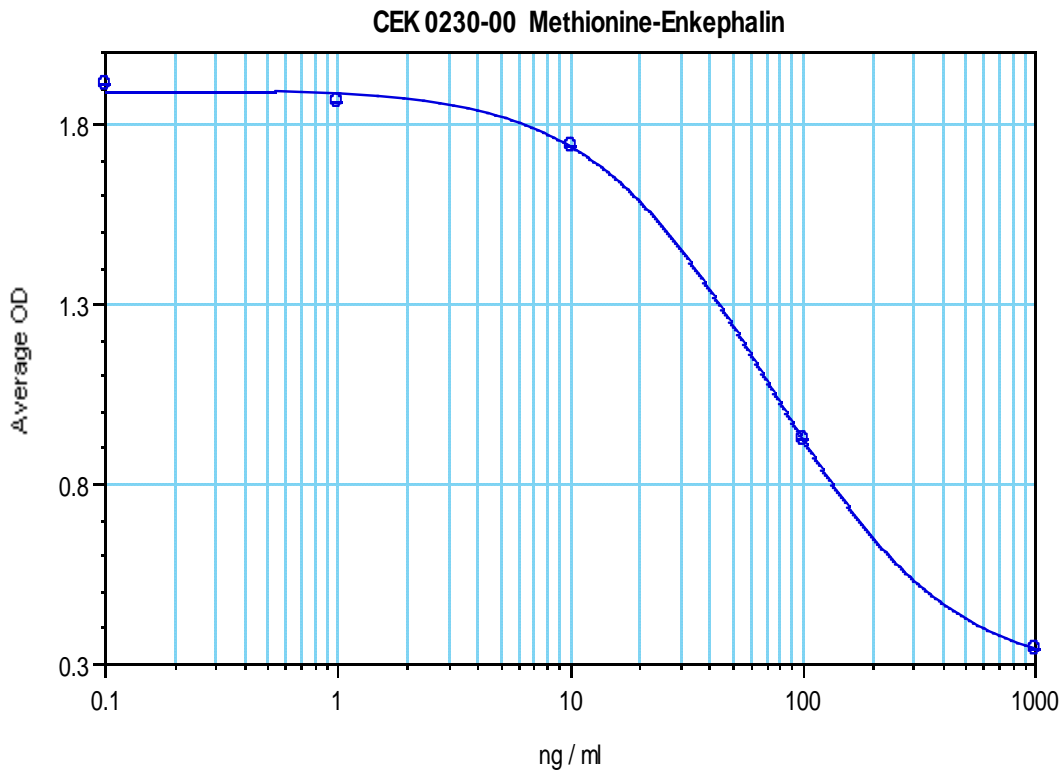
ED₂₀: 7.8 ng / ml

ED₈₀: 240 ng / ml

Specificity:

Methionine-Enkephalin	100%
Leucine-Enkephalin	0%

Typical Data



4-P Fit: $y = (A - D) / (1 + (x/C)^B) + D$: A B C D R²
○ STD#1 (Standards: Conc vs AvgOD) 1.9 1.13 71.6 0.262 1

Curve Fit Option - Fixed Weight Value

This standard curve is provided for demonstration only. A standard curve should be generated for each set of samples assayed.