Competitive Enzyme Immunoassay Kit

Fertirelin

Catalog No: CEK 0100-08

Background:

Fertirelin is a therapeutic agent for the prophylaxis and/or treatment of cancer, an infectious disease, a fibrotic disease, an inflammatory disease, a neurodegenerative disease, an autoimmune disease, or a heart and vascular disease.

The identification of a therapeutic compound effective for the prophylaxis and/or treatment of a disease can be based on the activity of the compound in a biological assay. A biological assay that mimics a disease causative mechanism can be used to test the therapeutic activity of a candidate peptide.

The causative mechanism of many diseases is the over activity of a biological pathway. A peptide that can reduce the activity of the biological pathway can be effective in the prophylaxis and/or treatment of the disease caused by the over activity of the biological pathway. Similarly the causative mechanism of many diseases is the over production of a biological molecule. A peptide that can reduce the production of the biological molecule or block the activity of the over produced biological molecule can be effective in the prophylaxis and/or treatment of the disease caused by the over production of the biological molecule.

Kit application: CEK Fertirelin is a 96 wells competitive immunoassay Kit. It can be applied for the analysis of fertirelin in serum, plasma, or tissue extracts in pharmcokinetics, peptide delivery studies 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: 0.01 – 100 ng / ml
ED\textsubscript{20} 0.09 ng / ml  
ED\textsubscript{80} 1.07 ng / ml

**Specificity:**
- Fertirelin 100%
- LH-RH 0%
- Goserelin 0%
- Triptorelin 0%

**Typical Data**

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