Human GH1/Somatotropin ELISA Kit

E45K00127

Catalog Number:E45K00127

Species Reactivity: Human

Storage: Store at +4°C. Please refer to protocols.

Cite ID#:EN5520578

Type: Human ELISA Kits

Research Field: Signal Transduction

Description: Human GH1/Somatotropin ELISA Kit is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit designed for the quantitative measurement of GH1 in biological samples. Our rigorously validated, ready-to-go Human GH1/Somatotropin ELISA Kit use a simple protocol that easily integrates into your current processes, allowing you to rapidly and accurately detect GH1 in your samples. Appropriate sample types may include Cell Culture Supernates, Serum, Platelet-poor EDTA Plasma, Platelet-poor Heparin Plasma, Urine. Precision Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested several times on one plate to assess intra-assay precision. Inter-Assay Precision (Precision between assays): Three samples of known concentration were tested in several separate assays to assess inter-assay precision. Assays were performed by at least two technicians using two lots of components.

Assay type: Competitive

Detection principle: Spectrophotometrical

Sample type: This immunoassay kit allows for the in vitro quantitative determination in Serum, plasma, tissue homogenates, cell culture supernates and other biological fluids.

Sensitivity:0.10 ng/mL

Assay range:0.39-25 ng/mL

Kit components: Assay Plate, Standard, Sample Diluent, Assay Diluent A&B, Detection Reagent A&B, Wash Buffer, Substrate, Stop Solution.

Other reagents required: Deionized or distilled water

Gene Name:GH1

Swiss-Prot No.:P01241

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Function: Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.

Form:ELISA Kits

Synonyms: Growth hormone,GH,Growth hormone 1,Pituitary growth hormone