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QuicKey Pro Human IGF-1 (Insulin-like Growth Factor 1) ELISA Kit

Cat #: G-EC-06108

Species: Human

Sensitivity: 1.01ng/mL

Type: Sandwich

Range: 3.12-100ng/mL

Detection: Colormetric

Duration: 1.5h

Principle:
This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human IGF1. Samples (or Standards) and Horseradish Peroxidase (HRP) linked antibody specific for Human IGF1 are added to the micro ELISA plate wells. Human IGF1 in samples (or standards) combines with the coated antibody and HRP linked detection antibody special to Human IGF1. Excess conjugate and unbound sample or standard are washed from the plate. The substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450±2 nm. The OD value is proportional to the concentration of Human IGF1. The concentration of Human IGF1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Human IGF1 in samples. No significant cross-reactivity or interference between Human IGF1 and analogues was observed.

UniProt ID: P05019

Gene: IGF-1

Synonyms: insulin-like growth factor 1, IGF1

Specimen: Serum and plasma

Application: This ELISA kit applies to the in vitro quantitative determination of Human IGF-1 concentrations in Serum and plasma .

Research Areas: Cancer, Developmental biology, Signal transduction

Storage:
An unopened kit can be stored at 2-8°C for 6 months. After test, the unused wells and reagents should be stored according to the storage table in the manual.

For Research Use Only