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QuicKey Pro Human CRP (C-Reactive Protein) ELISA Kit

Cat #: G-EC-06100

Species: Human

Sensitivity: 52.1pg/mL

Type: Sandwich

Range: 125-8000pg/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 CRP. Samples (or Standards) and Horseradish Peroxidase (HRP) linked antibody specific for Human CRP are added to the micro ELISA plate wells. Human CRP in samples (or standards) combines with the coated antibody and HRP linked detection antibody special to Human CRP. 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 CRP. The concentration of Human CRP in the samples is then determined by comparing the OD of the samples to the standard curve.

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

UniProt ID: P02741

Gene: CRP

Synonyms: C-Reactive Protein, CRP, PTX1

Specimen: Serum and plasma

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

Research Areas: Cancer, Cardiovascular, Epigenetics and Nuclear Signaling, Metabolism, Immunology

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.