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Human KISS-54 (Kisspeptin-54) ELISA Kit

Cat #: G-EC-00125

Species: Human

Sensitivity: 37.5pg/mL

Type: Competitive

Range: 62.5~4000pg/mL

Detection: Colormetric

Duration: 2.5h

Principle:
This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Human KISS-54. During the reaction, Human KISS-54 in samples or Standard competes with a fixed amount of Human KISS-54 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human KISS-54. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The concentration of Human KISS-54 in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Human KISS-54 in samples. No significant cross-reactivity or interference between Human KISS-54 and analogues was observed.

UniProt ID: Q15726 (68~121aa)

Gene: KISS-54

Synonyms:

Specimen: Serum, plasma and other biological fluids

Application: This ELISA kit applies to the in vitro quantitative determination of Human KISS-54 concentrations in Serum, plasma and other biolog

Research Areas: Cancer, Cell Biology, Epigenetics and Nuclear Signaling, Neuroscience

Storage:
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.