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IP3 (Inositol Triphosphate) ELISA Kit

Cat #: G-EC-00030

Species: Universal

Sensitivity: 9.38pg/mL

Type: Competitive

Range: 15.63~1000pg/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 IP3. During the reaction, IP3 in samples or Standard competes with a fixed amount of IP3 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to IP3. 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 IP3 in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes IP3 in samples. No significant cross-reactivity or interference between IP3 and analogues was observed.

UniProt ID:

Gene: IP3

Synonyms: Inositol trisphosphate, inositol 1, 4, 5-trisphosphate, triphosphoinositol, InsP3, Ins3P, IP3

Specimen: Serum, plasma and other biological fluids

Application: This ELISA kit applies to the in vitro quantitative determination of IP3 concentrations in Serum, plasma and other biological fluids.

Research Areas: Biochemicals

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.