003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

ST/5-HT (Serotonin/5-Hydroxytryptamine) ELISA Kit

Cat #: G-EC-00015

Species: Universal

Sensitivity: 9.38ng/mL

Type: Competitive

Range: 15.63~1000ng/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 ST/5-HT. During the reaction, ST/5-HT in samples or Standard competes with a fixed amount of ST/5-HT on the solid phase supporter for sites on the Biotinylated Detection Ab specific to ST/5-HT. 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 ST/5-HT in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes ST/5-HT in samples. No significant cross-reactivity or interference between ST/5-HT and analogues was observed.

UniProt ID:

Gene: ST/5-HT

Synonyms: 5HT, Enteramine, Thrombocytin, Thrombotonin, 3- (-Aminoethyl) -5-hydroxyindole

Specimen: Serum, plasma and other biological fluids

Application: This ELISA kit applies to the in vitro quantitative determination of ST/5-HT concentrations in Serum, plasma and other biological flui

Research Areas: 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.