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Rat -CTx (Alpha Crosslaps) ELISA Kit

Cat #: G-EC-00189

Species: Rat

Sensitivity: 56.25pg/mL

Type: Competitive

Range: 93.75~6000pg/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 Rat -CTx. During the reaction, Rat -CTx in samples or Standard competes with a fixed amount of Rat -CTx on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat -CTx. 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 Rat -CTx in the samples is then determined by comparing the OD of the samples to the standard curve.

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

UniProt ID:

Gene: -CTx

Synonyms: a-CTXI, aCTX-I, A-Cr, Type I Collagen C-Telopeptide-Related Fraction

Specimen: Serum, plasma and other biological fluids

Application: This ELISA kit applies to the in vitro quantitative determination of Rat -CTx concentrations in Serum, plasma and other biological flui

Research Areas: Signal transduction, Metabolism

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.