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

# Rat GC (Glucagon) ELISA Kit

**Cat #:** G-EC-00175

**Species:** Rat

**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 Rat GC. During the reaction, Rat GC in samples or Standard competes with a fixed amount of Rat GC on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat GC. 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 GC in the samples is then determined by comparing the OD of the samples to the standard curve.

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

**UniProt ID:** P06883

**Gene:** GC

**Synonyms:** GCG, GRPP

**Specimen:** Serum, plasma and other biological fluids

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

**Research Areas:** Cancer, Metabolism, Developmental biology, Signal transduction, Stem cells

**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.