

# Rat Cyclic guanosine monophosphate (cGMP) ELISA Kit

Catalog No: #EK20166

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## Description

Product Name	Rat Cyclic guanosine monophosphate (cGMP) ELISA Kit
Applications	ELISA
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:0.016 pmol/mL - 250 pmol/mL

Sensitivity:0.0206/0.118&amp;times;0.08 pmol/mL =14 fmol/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 &amp;mu;L

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

The microtiter plate provided in this kit has been pre-coated with a goat-anti-mouse IgG. Standards or samples are then added to the appropriate microtiter plate wells with a HRP-Conjugated cGMP and antibody preparation specific for cGMP and incubated. Then substrate solutions are added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of cGMP in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.