

## General cGMP ELISA Kit | cGMP elisa kit

cGMP(Cyclic GMP)ELISA Kit

CATALOG #  
**AAA166034**

REACTIVITY  
**General**

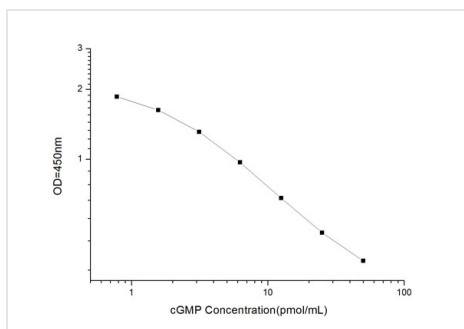
### PRODUCT SYNONYMS

cGMP; cGMP(Cyclic GMP)ELISA Kit; cGMP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                                                                    |
| Specificity             | This kit recognizes natural and recombinant cGMP. No significant cross-reactivity or interference between cGMP and analogues was observed. |
| Sequence Length         | 779                                                                                                                                        |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                           |
| Assay Type              | Competitive                                                                                                                                |
| Detection Range         | 0.781-50pmol/mL                                                                                                                            |
| Sensitivity             | Min: 0.469pmol/mL; Max: 50pmol/mL                                                                                                          |
| Preparation and Storage | Store at 4 degree C.                                                                                                                       |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for cGMP elisa kit

**Intended Uses:** This ELISA kit applies to the in vitro quantitative determination of cGMP concentrations in serum, plasma and other biological fluids.

**Principle of the Assay:** This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with cGMP. During the reaction, cGMP in the sample or standard competes with a fixed amount of cGMP on the solid phase supporter for sites on the Biotinylated Detection Ab specific to cGMP. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is 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 a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of cGMP in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 7993747                                                                                                                               |
| NCBI GeneID                      | 10846                                                                                                                                 |
| Molecular Weight                 | 89,390 Da                                                                                                                             |
| NCBI Official Full Name          | cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A                                                                       |
| NCBI Official Synonym Full Names | phosphodiesterase 10A                                                                                                                 |
| NCBI Official Symbol             | PDE10A                                                                                                                                |
| NCBI Official Synonym Symbols    | HSPDE10A                                                                                                                              |
| NCBI Protein Information         | cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A; dJ416F21.1 (phosphodiesterase 10A); phosphodiesterase 10A1 (PDE10A1) |
| UniProt Protein Name             | cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A                                                                       |
| UniProt Gene Name                | PDE10A                                                                                                                                |
| UniProt Entry Name               | PDE10_HUMAN                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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