

Feline Cyclic Guanosine Monophosphate (cGMP) ELISA Kit-Competitive

Cat. No.: EK1F825

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Feline Cyclic Guanosine Monophosphate (cGMP) ELISA Kit-Competitive is designed for the quantitative determination of Feline Cyclic Guanosine Monophosphate (cGMP) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Feline cGMP. No cross-reactivity with other relevant proteins.
Target Species	Feline
Species Reactivity	Feline
Detection Range	156.26-10000 pg/mL
Sensitivity	45.2 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Cyclic Guanosine Monophosphate (cGMP) is a cyclic nucleotide derived from guanosine triphosphate (GTP). It acts as a second messenger, much like cyclic AMP, and is involved in regulating ion channel conductance, glycogenolysis, and cellular apoptosis. In a feline model, research has shown that acetylcholine released by sympathetic endings during hypothalamic stimulation has the effect of increasing the level of intracellular cGMP.

Target/Biomarker	Feline cGMP
Target Synonym	c-GMP; 3',5'-Cyclic GMP; Cyclic 3',5'-GMP; Guanosine 3',5'-Cyclic Phosphate

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.