

CGMP MAB (NON-ACETYLATION)**cGMP mAb (Non-Acetylation)**

货号: 26001-2

规格: 30 µL

描述: cGMP 小鼠单克隆抗体

背景: cGMP is a ubiquitous second messenger mediating cellular responses to various exogenous and endogenous signaling molecules. cGMP regulates physiological processes by activating protein kinases, gating specific ion channels, and modulating cellular cyclic nucleotide concentrations through phosphodiesterases. The conversion of GTP to cGMP is catalyzed by guanylyl cyclases (GCs). There are two types of GCs in mammals: the soluble and the membrane-bound GCs. The soluble GCs are generally activated when nitric oxide binds to the attached prosthetic heme group. Seven membrane-bound GCs (also named transmembrane or particulated GCs) have been identified in the human genome. GC-A and GC-B are natriuretic peptide receptors. GC-C can be activated by bacterial heat-stable enterotoxins, guanylin and uroguanylin. The activity of transmembrane GCs can also be modulated by other receptor signals through intracellular signaling pathways.

免疫原: cGMP

经过测试的应用: ELISA, WB, IHC

推荐稀释度:

ELISA 1:1000-1:5000

WB 1:500-1:2000

浓度: 1 mg/ml

种属反应性: Mouse

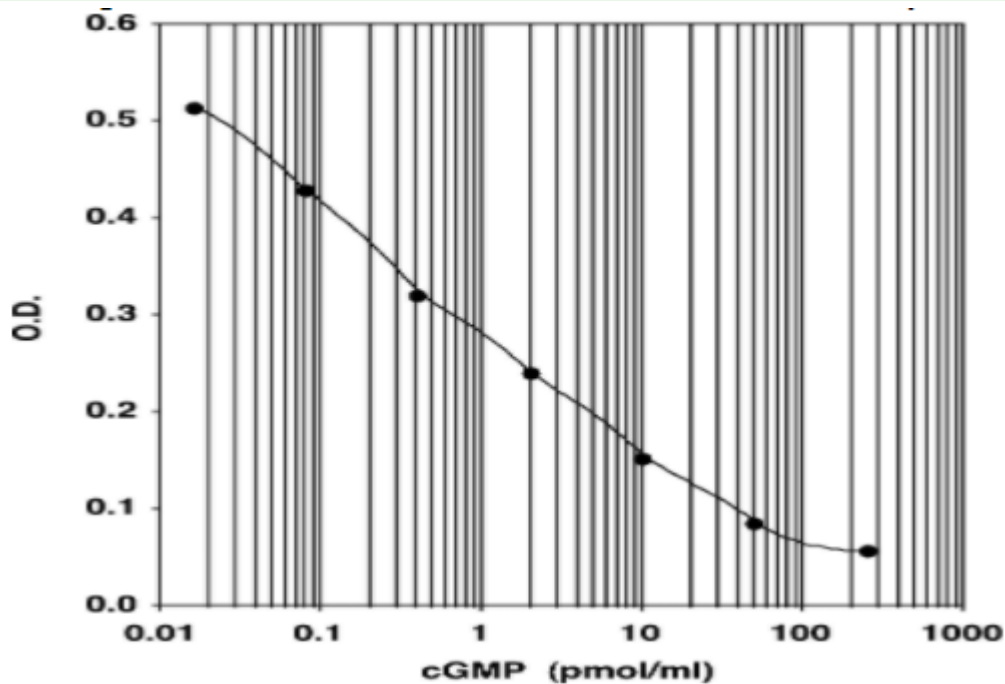
形式: Liquid

克隆性: Monoclonal

亚型: IgG

纯化: Purified from ascites

Preservative: No成分: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol储存条件: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing



Sensitivity

Acetylated Version

Mean OD for Bo =	0.536 ± 0.010
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Mean OD for Standard #6 =	0.403 ± 0.009
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Delta Optical Density (0-0.08 pmol/mL) =	0.133
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2 SD's of the Zero Standard =	0.020
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Sensitivity = $\frac{0.020}{0.133} \times 0.08 \text{ pmol/mL}$ =	12 fmol/mL
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