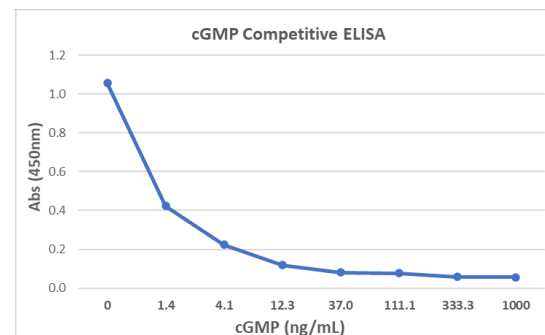
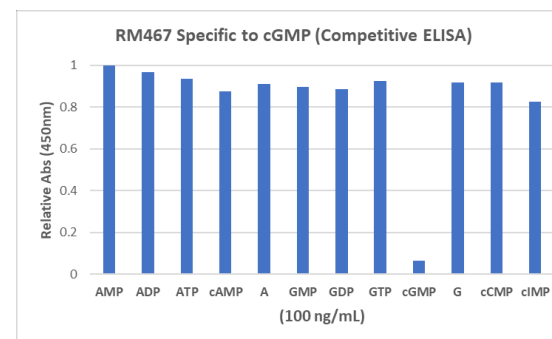


Certificate of Analysis

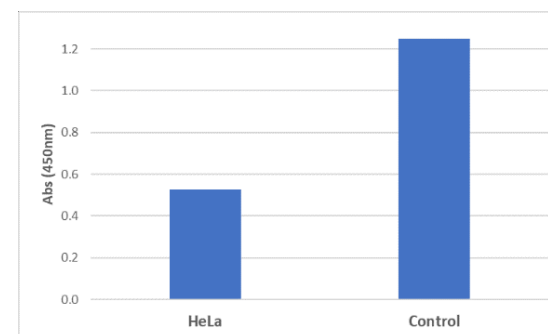
Product:	Rabbit Monoclonal Antibody Anti-cGMP Rabbit Monoclonal Antibody, Clone RM467
Catalog No.:	31-1359-00
Clone	RM467
Specificity	This antibody reacts to cGMP (Cyclic Guanosine Monophosphate). No cross reactivity with other cyclic nucleotide or nucleoside phosphate.
Application:	ELISA
Immunogen:	KLH-conjugated cGMP.
Purity:	Protein A affinity purified from an animal origin-free culture supernatant
Size:	50 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	ELISA: 0.05 µg/mL – 0.5 µg/mL
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	For Research Use Only Not for Diagnostic or Therapeutic Use



Competitive ELISA of cGMP using anti-cGMP (RM467). The 96-well plate was coated with 1 µg/mL of Goat anti-rabbit IgG (50 µl/well). 0.05 µg/ml of anti-cGMP (RM467) (50 µl/well) was added and incubated. After wash and block, different concentrations of cGMP (25 µl/well) were added along with 25 µl/well of 1/5,000 diluted HRP conjugated cGMP (RM-BA467). TMB was used to develop the color after incubation and wash.



Competitive ELISA showing the specificity of anti-cGMP (RM467). The 96-well plate was coated with 1 µg/mL of Goat anti-rabbit IgG (50 µl/well). 0.05 µg/ml of anti-cGMP (RM467) (50 µl/well) was added and incubated. After wash and block, cGMP and other cyclic nucleotides or nucleoside phosphates (25 µl/well) were added along with 25 µl/well of 1/5,000 diluted HRP conjugated cGMP (RM-BA467). TMB was used to develop the color after incubation and wash.



Competitive ELISA detecting cGMP in HeLa cells. The 96-well plate was coated with 1 µg/mL of Goat anti-rabbit IgG (50 µl/well). 0.05 µg/ml of anti-cGMP (RM467) (50 µl/well) was added and incubated. After wash and block, HeLa cell lysate (~10⁵cell/mL) or control (lysate buffer only) (25 µl/well) were added along with 25 µl/well of 1/5,000 diluted HRP conjugated cGMP (RM-BA467). TMB was used to develop the color after incubation and wash.