

2'3'-cGAMP ELISA Kit:

Targeting cGAS/STING/IFN Therapeutics



Direct quantitation of the endogenous second messenger in innate immune signaling is now possible with Cayman Chemical's 2'3'-cGAMP ELISA Kit (Item No. 501700). Developed in conjunction with expert nucleotide scientists at Biolog Life Science Institute in Germany, this competitive assay can be used to assess the effectiveness of novel treatments for autoimmune diseases and cancer.

UNRIVALED SENSITIVITY

Detect 2'3'-cGAMP at levels in the low pg/ml range

DIVERSE APPLICATIONS

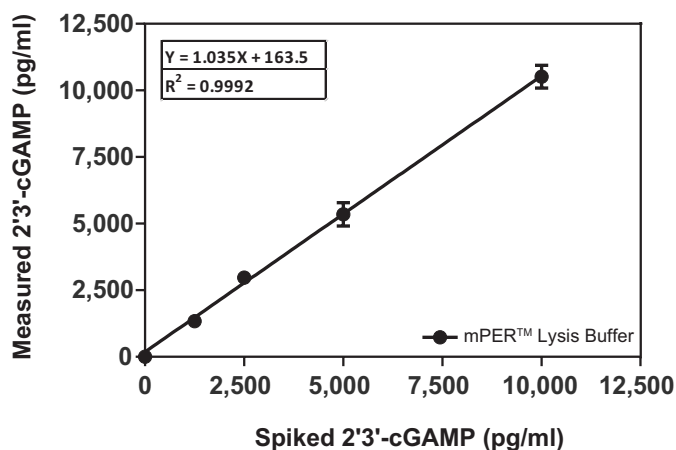
- Monitor the kinetics of 2'3'-cGAMP formation and hydrolysis
- Identify compounds that modulate cGAS activity

FLEXIBLE PROTOCOLS

Run overnight or incubate for just 2 hours without compromising sensitivity

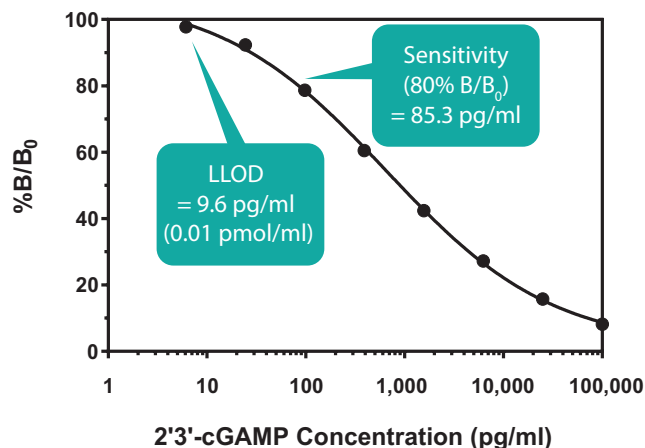
Proven Accuracy and Precision

Cell lysis buffer (mPER™) was spiked with 2'3'-cGAMP and analyzed using Cayman's 2'3'-cGAMP ELISA Kit. 2'3'-cGAMP recovery showed excellent linearity and remained within the assay range.

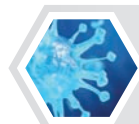


Assay Sensitivity Defined

Cayman's assay sensitivity is defined as the 80% B/B₀ point in which 80% binding is the minimum level where reliable, reproducible data can be obtained.



Assay Range = 100 ng/ml - 6.1 pg/ml
Sensitivity (defined as 80% B/B₀) = 85.3 pg/ml
Mid-Point (defined as 50% B/B₀) = 907.7 pg/ml
Lower Limit of Detection (LLOD) = 9.6 pg/ml



Download the Cayman Currents issue on Innate Immune Signaling: cGAS/STING to learn more at www.caymanchem.com/STING

Distributed by:

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