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SELLER**

bioauxilium

BETTER TOOLS. REAL DISCOVERIES.

THUNDER™ cAMP TR-FRET Assay Kit

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PERFORMANCE, QUALITY & OUTSTANDING VALUE

With over 2,000,000 assay points sold worldwide just 14 months after release, the **THUNDER™ cAMP Assay Kit** is becoming the cAMP assay of choice for labs demanding reproducible and reliable results, batch-to-batch consistency, and affordability. Based on BioAuxilium's versatile and cost-effective TR-FRET technology platform, this highly validated assay kit provides a robust tool to measure intracellular cAMP changes following G-protein coupled receptor (GPCR) activation.

Top reasons why scientists use THUNDER™ cAMP Kit

PERFORMANCE

Suitable for screening and characterization of Gs- and Gi-coupled GPCRs

RELIABILITY

Rigorously validated on endogenous and recombinant GPCR-expressing cells

CONSISTENCY

Confirmed lot-to-lot consistency

CONVENIENT

Compatible with all TR-FRET readers

AFFORDABLE

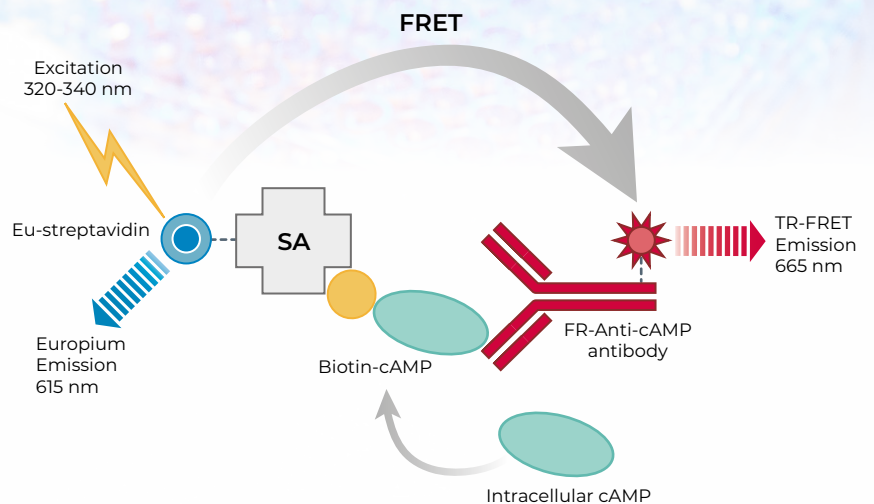
Flexible kit formats and outstanding value

FAST DELIVERY

Always in stock for fast, worldwide delivery

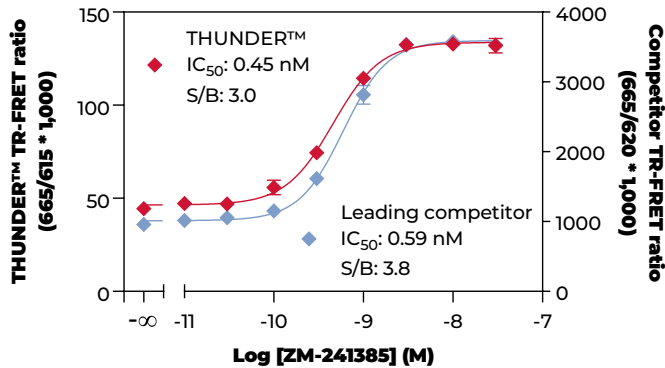
ASSAY PRINCIPLE

Free cAMP produced by cells competes with the Europium labeled streptavidin/biotin-cAMP tracer complex for binding to a monoclonal cAMP antibody labeled with the far-red fluorophore. The specific, long-lived TR FRET signal is therefore inversely proportional to the concentration of cAMP in the lysate



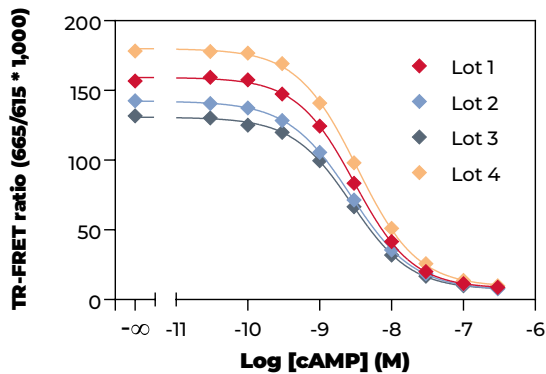
KIT BENCHMARKING

Antagonist response in 384-well plate Endogenous Gs-coupled Adenosine A2a receptor U266B1 cells - 3,000 cells/well



Head-to-head data show that the THUNDER™ cAMP assay exhibits a comparable receptor pharmacology and a slightly lower assay window versus a competitor TR-FRET assay.

A KIT BUILT FOR REPRODUCIBILITY



Each new kit lot is tested alongside the previous lots to ensure that signal, standard curve range, and sensitivity remain consistent among lots.

	Lot 1	Lot 2	Lot 3	Lot 4
IC50 (nM)	3.0	2.7	2.8	3.3
S/B	18	18	16	18

KIT CONTENTS

cAMP Standard
Biotin-cAMP
Europium-labeled streptavidin
Acceptor-labeled anti-cAMP antibody
cAMP Detection Buffer
Optimized and validated assay protocol

ORDERING INFORMATION

KIT SIZE*	Catalog No.
1,000 points	KIT-CAMP-1000
5,000 points	KIT-CAMP-5000
20,000 points	KIT-CAMP-20000

* The number of assay points is based on an assay volume of 20 μ L in low-volume 384-well assay plates. Bulk ordering and lot reservation are available on request, please contact us.



bioauxilium

TO PLACE AN ORDER: sales@bioauxilium.com

FOR MORE INFORMATION: info@bioauxilium.com

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