

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/ADORA1/Gα15
Cat. No.	M00324
Lot No.	R10061906-3
Host Cell:	CHO-K1/Gα15
Target Gene:	ADORA1
Quantity:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

Stable Cell Line Information

Recommended Cell Culture Medium: Ham's F-12, 10% FBS, 200 µg/ml Zeocin, 200 µg/ml Hygromycin B

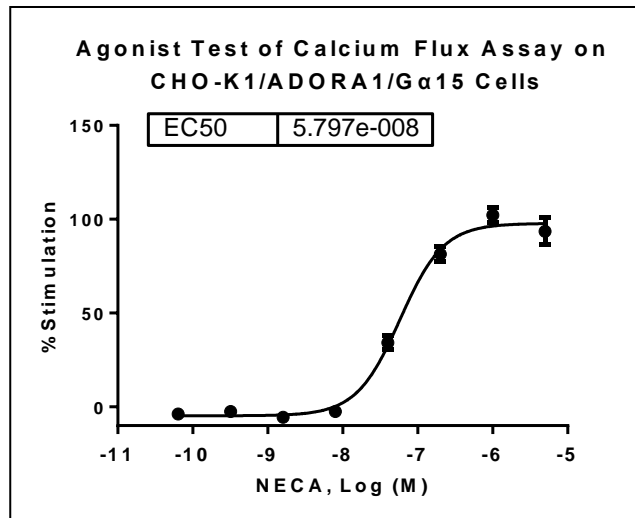
Freeze Medium: 45% culture medium, 45% FBS, 10% DMSO

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC ₅₀ = 5.797 × 10 ⁻⁸ M
Function assay	Agonist test of cAMP assay	EC ₅₀ = 9.308 × 10 ⁻⁸ M
Function assay	Antagonist test of cAMP assay	EC ₅₀ = 9.446 × 10 ⁻⁸ M

* The mycoplasma test was performed with MycoAlert™ PLUS Mycoplasma Detection Kit of Lonza.

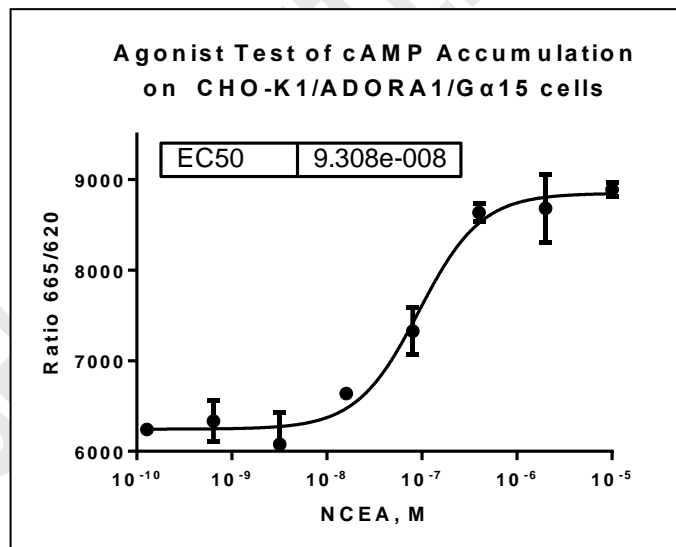
Appendix

Calcium Flux assay

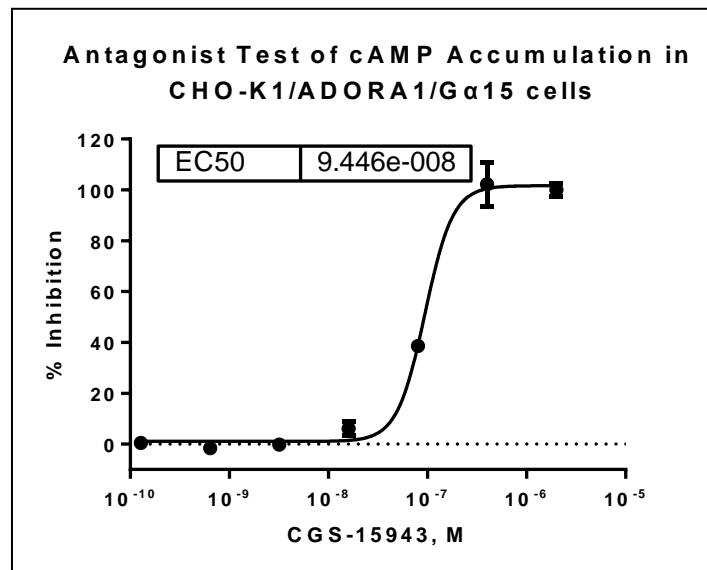


NECA-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/ADORA1/Gα15 cells, $EC_{50} = 5.797 \times 10^{-8}$ M

cAMP assay



NECA-induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/ADORA1/Gα15 cells, $EC_{50} = 9.308 \times 10^{-8}$ M



CGS-15943-induced concentration-dependent inhibition of intracellular cAMP accumulation in CHO-K1/ADORA1/G α 15 cells, EC₅₀=9.446 \times 10⁻⁸ M

Caution

For research use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by:

Dan Jiang

Date: 06/09/2020

Department of New Technology