

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/ADORA3/Gα15
Cat. No.	M00464
Lot No.	R10011907-12
Host Cell:	CHO-K1/Gα15
Target Gene:	ADORA3
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-12K, 10% FBS, 100 µg/ml Hygromycin B, 8 µg/ml Puromycin

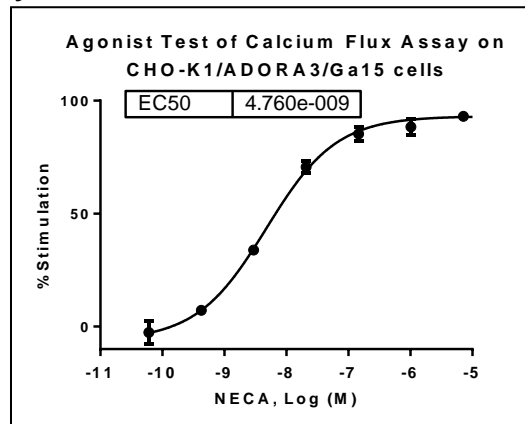
Freeze Medium: 45% culture medium, 45% FBS, 10% DMSO

Test Item	Specification	Result
Mycoplasma	Negative*	Negative *
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC ₅₀ = 4.760×10 ⁻⁹ M
Function assay	Antagonist test of cAMP assay	EC ₅₀ = 2.431×10 ⁻⁶ M

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

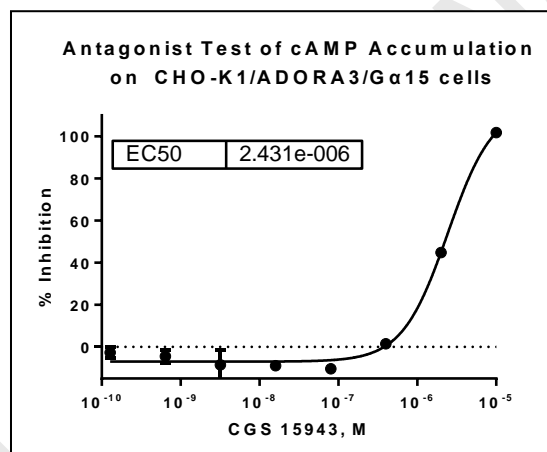
Appendix

Calcium Flux assay



NECA-induced concentration-dependent stimulation of intracellular calcium mobilization on CHO-K1/ADORA3/Gα15 cells, $EC_{50} = 4.760 \times 10^{-9}$ M

cAMP assay



CGS-15943-induced concentration-dependent inhibition of intracellular cAMP accumulation on CHO-K1/ADORA3/Gα15 cells, $EC_{50} = 2.431 \times 10^{-6}$ 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