

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/MC2/Gα15
Cat. No.	M00336
Lot No.	R10151905-3
Host Cell:	CHO-K1/Gα15
Target Gene:	MC2
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, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

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

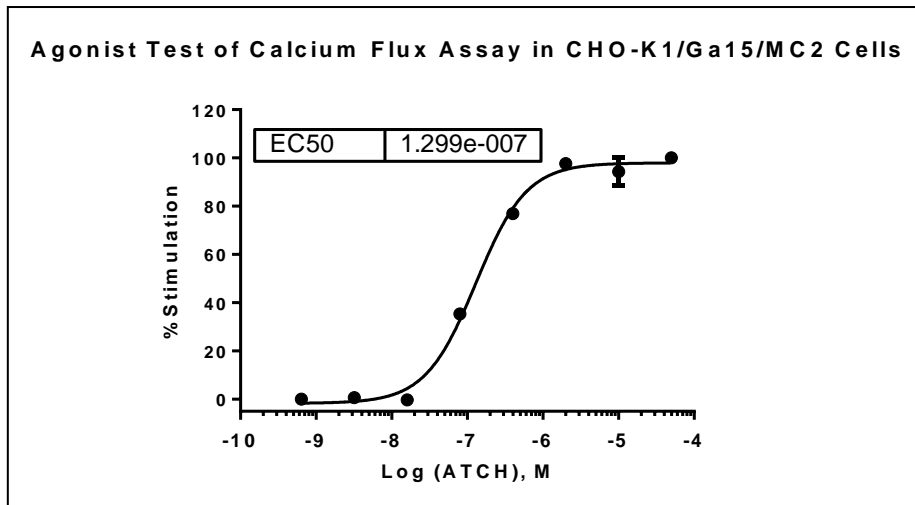
Application: cAMP assay and Calcium Flux assay on MC2 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	cAMP assay	EC ₅₀ = 3.550×10 ⁻¹⁰ M
Function assay	Calcium Flux assay	EC ₅₀ = 1.299×10 ⁻⁷ M

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

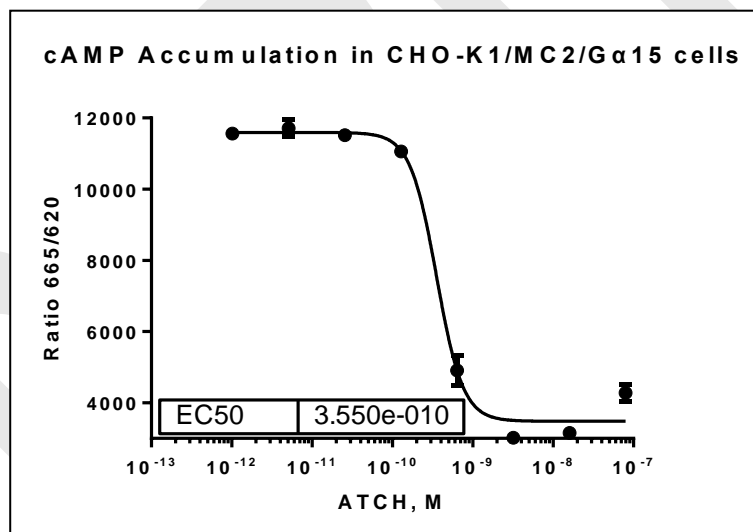
Appendix

1. Calcium Flux assay



ATCH induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/MC2/Gα15 cells, $EC_{50} = 1.299 \times 10^{-7}$ M

2. cAMP assay



ATCH induced concentration-dependent stimulation of intracellular cAMP accumulation in CHO-K1/MC2/Gα15 cells. $EC_{50} = 3.550 \times 10^{-10}$ 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: *Wang Yue* Date: 12/02/2019
 Department of New Technology