

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/MRGPRX2
Cat. No.	M00425
Lot No.	R10152002-4
Host Cell:	CHO-K1
Target Gene:	MRGPRX2
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 F12, 10% FBS, 200 µg/ml Zeocin

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

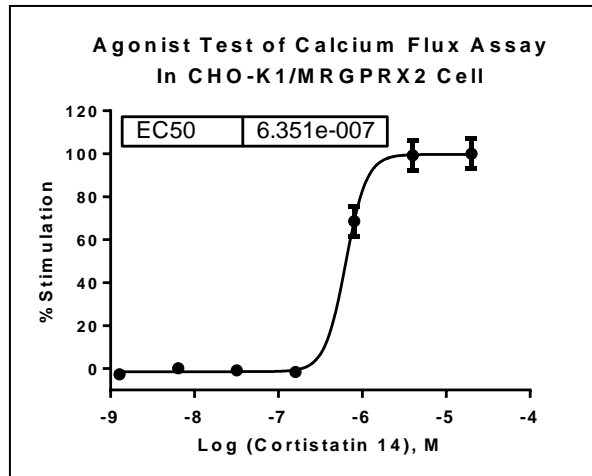
Application: Calcium Flux and cAMP assay on MRGPRX2 receptor.

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Cell viability	>90%	95%
Function assay	cAMP assay	EC ₅₀ = 1.633×10 ⁻⁶ M
Function assay	Calcium Flux assay	EC ₅₀ = 6.351×10 ⁻⁷ M

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

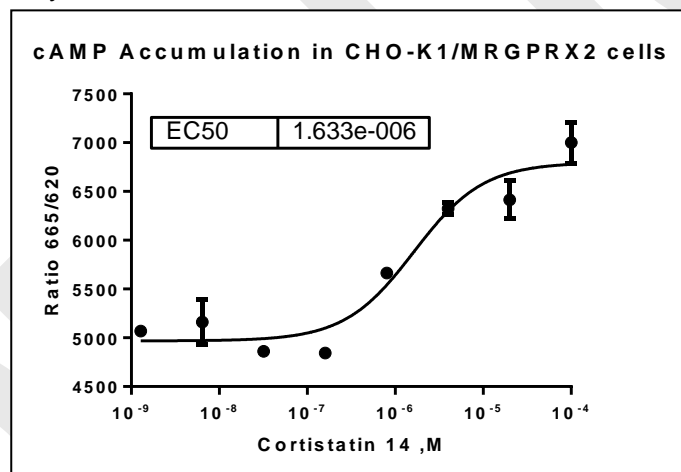
Appendix

1. Calcium Flux assay



Cortistatin 14 induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/MRGPRX2 cells, $EC_{50} = 6.351 \times 10^{-7} M$.

2. cAMP accumulation assay



Cortistatin 14 induced concentration-dependent stimulation of cAMP in CHO-K1/MRGPRX2 cells, $EC_{50} = 1.633 \times 10^{-6} M$.

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: *Wang Yue* Date: 03/13/2020
Department of New Technology