

Version: 01

Update: 08/03/2023

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/MRGPRX2
Cat. No.	M00425
Lot No.	R50623703
Host Cell:	CHO-K1
Target Gene:	MRGPRX2
Size:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice (-80°C)
Storage Condition:	Liquid Nitrogen (-196°C)

Stable Cell Line Information

Recommended Cell Culture Medium:

Ham's F-12K (Kaighn's), 10% FBS, 200 µg/ml Zeocin

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

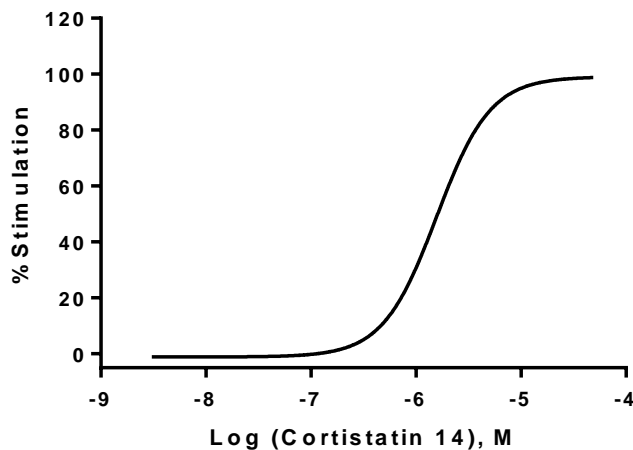
Application: Calcium Flux assay on MRGPRX2 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	≥90%	99%
Quantity	>1x10 ⁶ cells/vial	2.42x10 ⁶ cells/vial

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

Calcium Flux assay

Agonist Test of Calcium Flux Assay on CHO-K1/MRGPRX2 cells



Cortistatin 14-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/MRGPRX2 cells, $EC_{50} = 1.57 \mu\text{M}$.

Date: 08/03/2023

Approved by: *Dan Jiang*

Department of Reagent Product R&D

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