

Version: 01

Update: 10/13/2022

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/Gα15/M4
Cat. No.	M00238
Lot No.	R50222503
Host Cell:	CHO-K1/Gα15
Target Gene:	M4
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, 100 µg/ml Hygromycin B

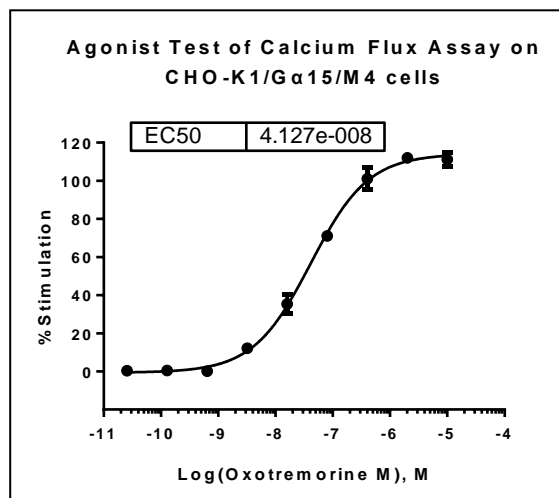
Freeze Medium: 45% culture medium, 45% FBS, 10% DMSO

Application: Calcium Flux assay on M4 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	98.67%
Quantity	>1x10 ⁶ cells/vial	2.76x10 ⁶ cells/vial

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

Calcium Flux assay



Oxotremorine M-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/Gα15/M4 cells, $EC_{50} = 4.127 \times 10^{-8}$ M.

Date: 10/19/2022

Approved by: *Jinhong Chen*

Department of Reagent Product R&D

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