

Version: 01

Update: 03/19/2024

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/M2/Gα15
Cat. No.	M00258
Lot No.	R506240103
Host Cell	CHO-K1/Gα15
Target Gene	M2
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

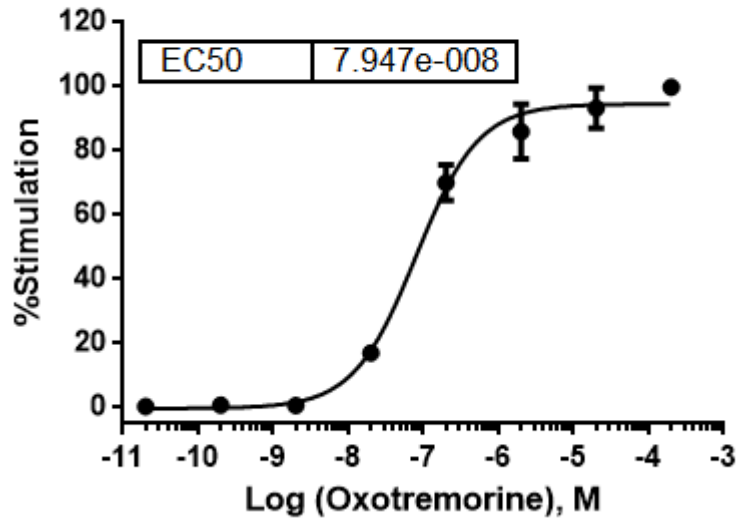
Application: Calcium Flux assay on M2 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	≥90%	99.25%
Quantity	>1x10 ⁶ cells/vial	2.42 x10 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/M2/Gα15 cells



Oxotremorine-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/M2/Gα15 cells. $EC_{50}=7.947\times 10^{-8}$ M.

Date: 03/19/2024

Approved by: *Min Qiu*

Department of Reagent Product R&D

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