

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/M1
Cat. No.	M00185
Lot No.	R10101908-3
Host Cell:	CHO-K1
Target Gene:	M1
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

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

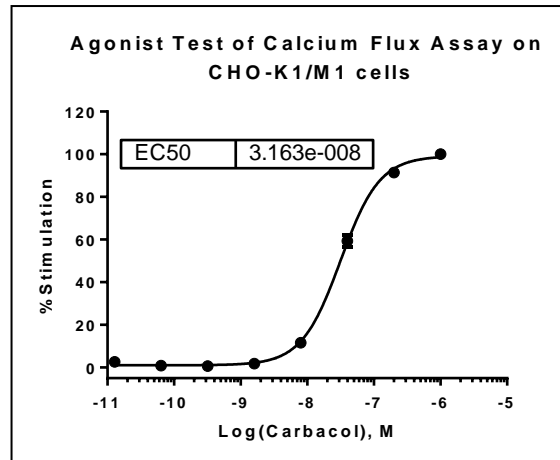
Application: Calcium flux assay and IP-One assay on M1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium flux assay	EC ₅₀ =3.163×10 ⁻⁸ M
Function assay	IP-One assay	EC ₅₀ =1.408×10 ⁻⁶ M

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

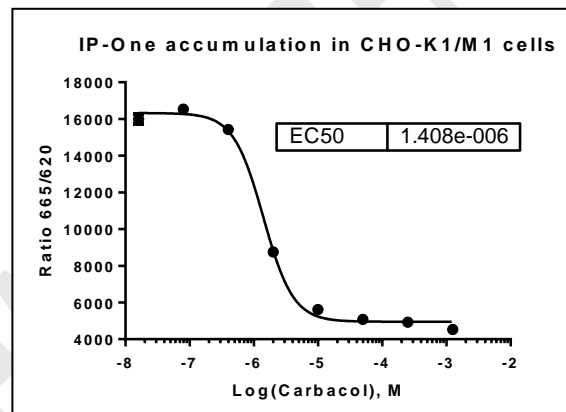
Appendix

1. Calcium Flux Assay



Carbacol induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/M1 cell, EC₅₀ = 3.163×10⁻⁸ M

2. IP-One Assay



Carbacol induced concentration-dependent stimulation of intracellular IP-One accumulation in CHO-K1/M1 cell, EC₅₀ = 1.408×10⁻⁶ 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: 02/13/2020

Department of New Technology