

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/NK3
Cat. No.	M00201
Lot No.	R10031909-3
Host Cell:	CHO-K1
Target Gene:	NK3
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, 100 µg/ml Hygromycin B

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

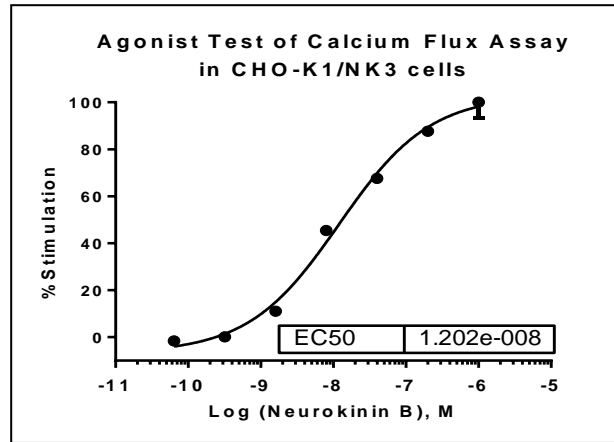
Application: Calcium flux assay and IP-One assay on NK3 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium flux assay	EC ₅₀ =1.202×10 ⁻⁸ M
Function assay	IP-One assay	EC ₅₀ =1.403×10 ⁻⁷ M

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

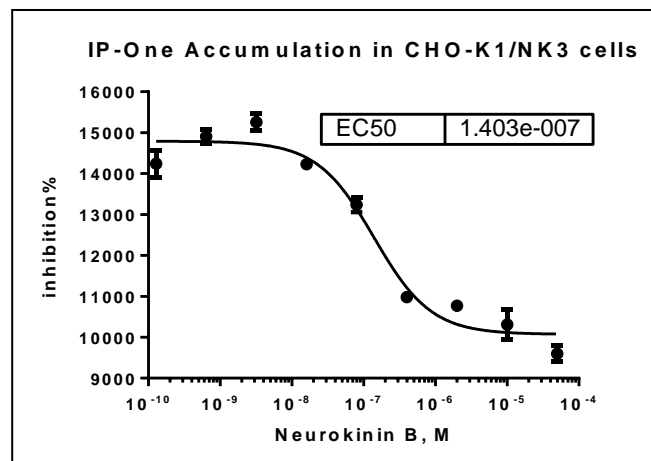
Appendix

1. Calcium Flux Assay



Neurokinin B induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/NK3 cell, $EC_{50} = 1.202 \times 10^{-8}$ M

2. IP-One Assay



Neurokinin B induced concentration-dependent stimulation of intracellular IP-One accumulation in CHO-K1/NK3 cell, $EC_{50} = 1.403 \times 10^{-7}$ 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: 12/06/2019

Department of New Technology