

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/OX1
Cat. No.	M00224
Lot No.	R10092001-4
Host Cell:	CHO-K1
Target Gene:	OX1
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, 400 µg/ml G418

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

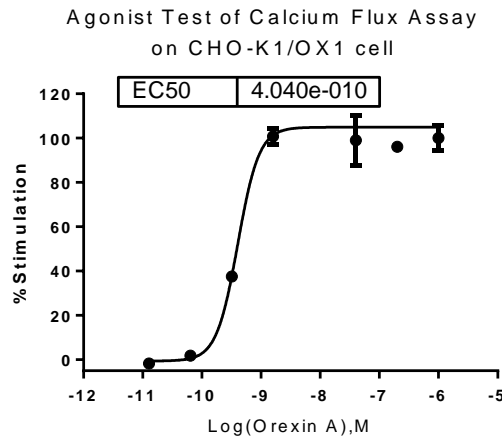
Application: Calcium flux assay and IP-One assay on OX1 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	94%
Function assay	Calcium Flux assay	EC ₅₀ = 4.040×10 ⁻¹⁰ M
Function assay	IP-One	EC ₅₀ =1.473X10 ⁻⁸ M

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

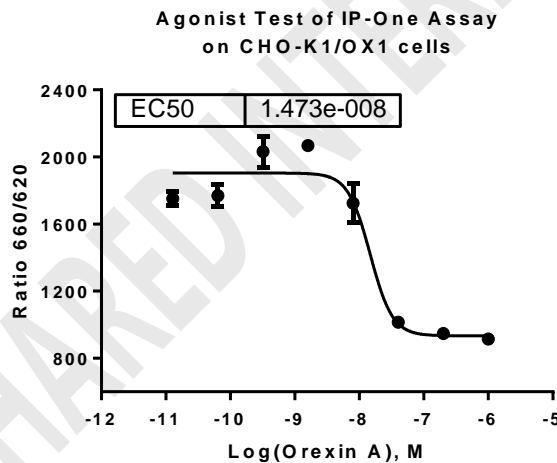
Appendix

Calcium Flux Assay



Orexin A induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/OX1 cells, $EC_{50} = 4.040 \times 10^{-10}$ M.

IP-One Assay



Orexin A induced concentration-dependent stimulation of intracellular IP-One in CHO-K1/OX1 cells, $EC_{50} = 1.473 \times 10^{-8}$ 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: *Dan Jiang* Date: 07/13/2020
 Department of New Technology