

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/OX2
Cat. No.	M00316
Lot No.	R10181812-4
Host Cell:	CHO-K1
Target Gene:	OX2
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-12, 10% FBS, 400 µg/ml G418

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

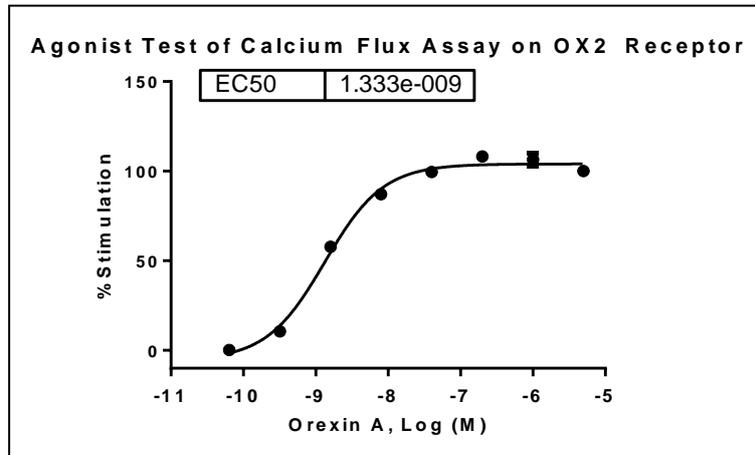
Application: Intracellular calcium mobilization on OX2 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC ₅₀ = 1.333 nM

* 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/OX2 cells, $EC_{50} = 1.333 \text{ nM}$.

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 Yan

Date: 1/9/2019

Department of New Technology