

CERTIFICATE OF ANALYSIS

Product Information

Product Name	GLP-1R/CHO-K1/Ga15
Cat. No.	M00451
Lot No.	R10081903-12
Host Cell:	CHO-K1/Ga15
Target Gene:	GLP-1R
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 F12, 10% FBS, 200 µg/ml Zeocin, 100 µg/ml Hygromycin B

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

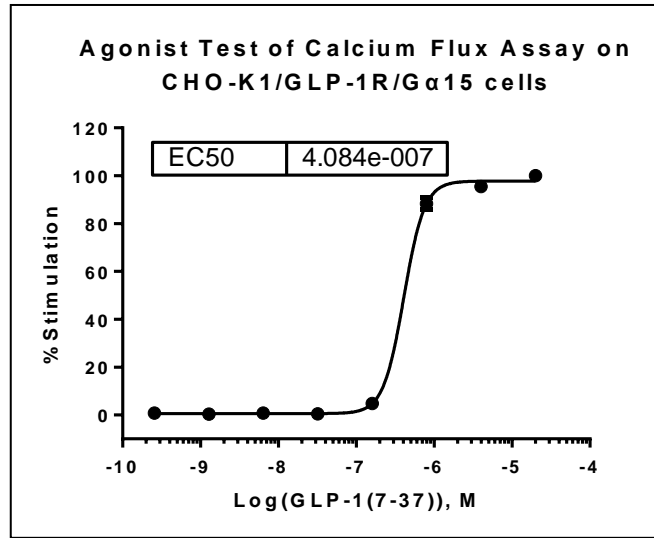
Application: Calcium Flux assay on GLP-1R receptor.

Test Item	Specification	Result
Mycoplasma	Not detected*	Not detected*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC ₅₀ = 4.084x10 ⁻⁷ M

* The mycoplasma test was performed with Hoechst staining.

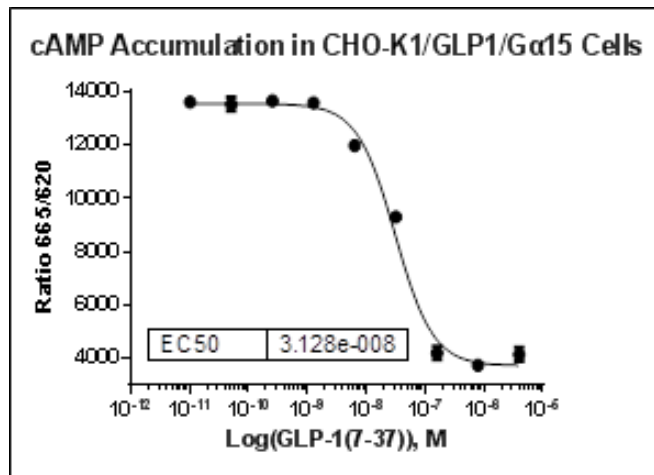
Appendix

Calcium Flux assay



GLP-1(7-37) induced concentration-dependent stimulation of intracellular calcium mobilization in GLP-1R/CHO-K1/Gα15 cells, $EC_{50} = 4.084 \times 10^{-7} M$

cAMP accumulation assay



GLP-1(7-37) induced concentration-dependent stimulation of cAMP in GLP-1R/CHO-K1/Gα15 cells, $EC_{50} = 3.128 \times 10^{-8} M$

Hochest staining



The mycoplasma test was performed with Hochest staining

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: 3/29/2019

Department of New Technology