

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/ADRA1D
Cat. No.	M00340
Lot No.	R10041910-4
Host Cell:	CHO-K1
Target Gene:	ADRA1D
Quantity:	2 vials of frozen cells, > 1x10 <sup>6</sup> 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

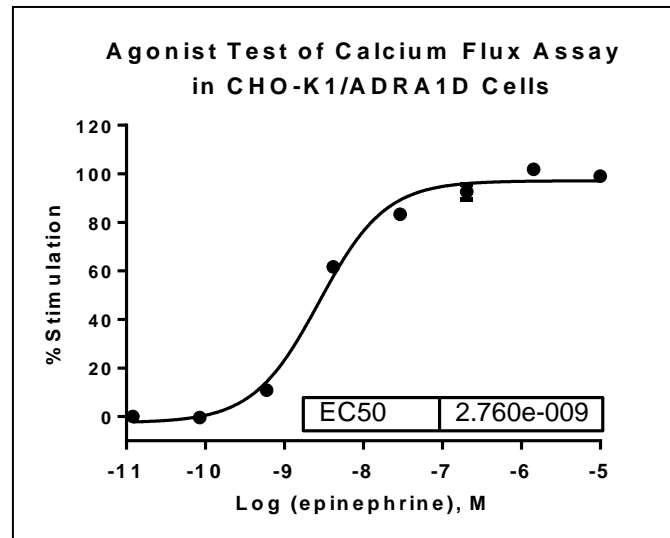
**Application:** Calcium Flux and Binding assay on ADRA1D receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC <sub>50</sub> = 2.760×10 <sup>-9</sup> M

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

**Appendix**

## Calcium Flux assay



Epinephrine induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/ADRA1D cells,  $EC_{50} = 2.760 \times 10^{-9}$  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: 10/25/2019

Department of New Technology