

Version: 01

Update: 04/03/2023

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/ADRA2A/Gα15
Cat. No.	M00281
Lot No.	R50522403
Host Cell:	CHO-K1/Gα15
Target Gene:	ADRA2A
Size:	2 vials of frozen cells (> 1×10 ⁶ per vial in 1 ml)
Shipping Condition:	Dry Ice (-80°C)
Storage Condition:	Liquid Nitrogen (-196°C)

Stable Cell Line Information

Recommended Cell Culture Medium: Ham's F-12K (Kaighn's), 10% FBS, 200 µg/ml Hygromycin B, 200 µg/ml Zeocin

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

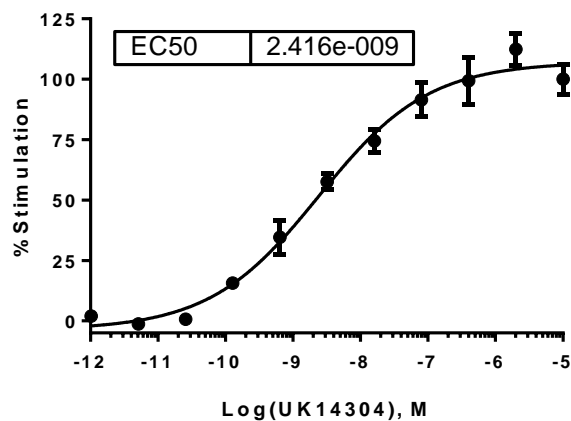
Application: Calcium Flux assay on ADRA2A receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95.25%
Quantity	>1×10 ⁶ cells/vial	3.14×10 ⁶ cells/vial

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

Calcium Flux assay

Agonist Test of Calcium Flux Assay on CHO-K1/ADRA2A/G α 15 cells



UK14304-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/ADRA2A/G α 15 cells, $EC_{50} = 2.416 \times 10^{-9}$ M.

Date: 04/03/2023

Approved by: *Jinhong Chen*

Department of Reagent Product R&D

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