

CERTIFICATE OF ANALYSIS

Product Information

| | |
|---------------------|---|
| Product Name | CHO-K1/Gα15/ADRA2C |
| Cat. No. | M00252 |
| Lot No. | R50122205 |
| Host Cell: | CHO-K1/Gα15 |
| Target Gene: | ADRA2C |
| Size: | 2 vials of frozen cells, > 1x10 ⁶ cells/vial |
| 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, 400 µg/ml GENETICIN, 400 µg/ml Hygromycin B

Freeze Medium: 45% Ham's F-12K (Kaighn's), 45% FBS, 10% DMSO.

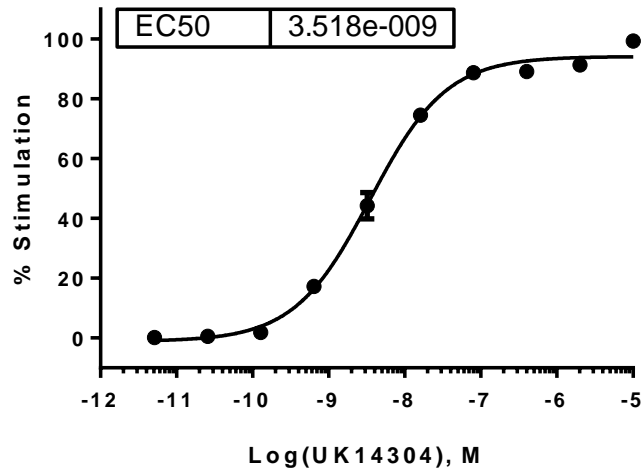
| Test Item | Specification | Result |
|----------------|-------------------------------|---|
| Mycoplasma | Negative* | Negative* |
| Cell viability | >80% | 97.92% |
| Quantity | >1x10 ⁶ cells/vial | 2.2x10 ⁶ cells/vial |
| Function assay | Calcium Flux assay | EC ₅₀ = 3.518X10 ⁻⁹ M |
| Function assay | cAMP assay | EC ₅₀ = 6.133X10 ⁻⁹ M |

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

Appendix

Calcium Flux Assay

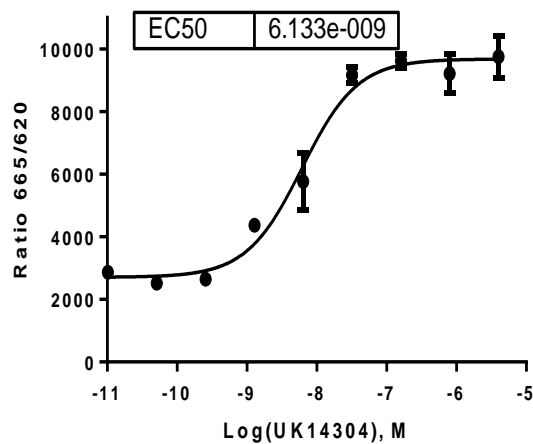
Agonist Test of Calcium Flux Assay on
CHO-K1/G α 15/ADRA2C cells



UK14304 induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/G α 15/ADRA2C cells, $EC_{50}=3.518 \times 10^{-9}$ M.

cAMP Assay

Agonist test of cAMP Assay in CHO-K1/G α 15/ADRA2C Cells



UK14304 induced concentration-dependent stimulation of intracellular cAMP in CHO-K1/G α 15/ADRA2C cells, $EC_{50}=6.133 \times 10^{-9}$ M.

Caution

For research use only. Not intended for household use. If you have any question 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: *Jinhong Chen* Date: 03/03/2022
Department of New Technology