

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	CHO-K1/Gα15/CXCR4
Cat. No.	M00556
Lot No.	R10041810
Host Cell:	CHO-K1/Gα15
Target Gene:	CXCR4
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, 4 µg/ml puromycin, 100 µg/ml Hygromycin B

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

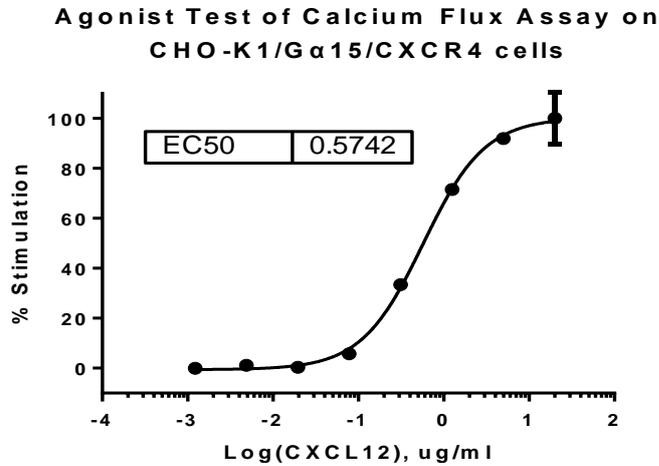
**Application:** Calcium Flux assay and cAMP assay on CXCR4 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	cAMP assay	2.076×10 <sup>-8</sup> g/ml
Function assay	Calcium Flux assay	EC <sub>50</sub> = 0.5742 µg/ml

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

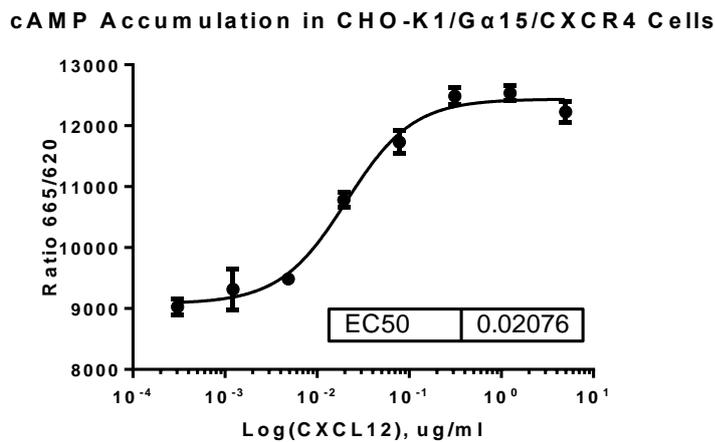
## Appendix

### 1. Calcium Flux assay



CXCL12-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/G $\alpha$ 15/CXCR4 cells,  $EC_{50} = 0.5742 \mu\text{g/ml}$ .

### 2. cAMP assay



CXCL12-induced concentration-dependent stimulation of cAMP in CHO-K1/G $\alpha$ 15/CXCR4 cells,  $EC_{50} = 2.076 \times 10^{-8} \text{ g/ml}$ .

## 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: *Min Qiu* Date: 01/04/2023  
Department of New Technology