

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/Gα15/ADORA2A
Cat. No.	M00246
Lot No.	B80231710
Host Cell:	CHO-K1
Target Gene:	ADORA2A
Quantity:	2 vials of frozen cells
Shipping Condition:	Dry Ice
Recommended Storage Condition:	Liquid Nitrogen

Stable Cell Line Information

Recommended Cell Culture Medium: F12 + 10% FBS + 100 µg/ml Hygromycin B + 200 µg/ml Zeocin

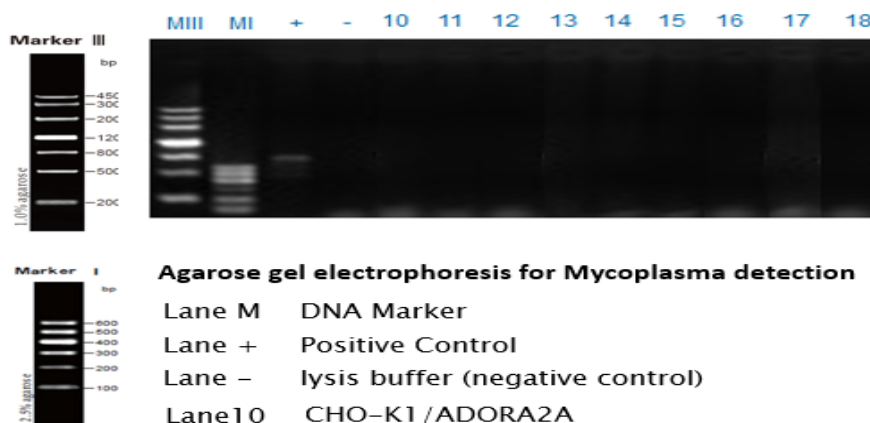
Freeze Medium: 45%FBS, 45%F12, 10% (V/V) DMSO

Application: Functional assay for CHO-K1/Gα15/ADORA2A

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative., Appendix 1
Functional assay	cAMP assay	EC ₅₀ =10.78 nM

Appendix

Appendix 1: Mycoplasma 160



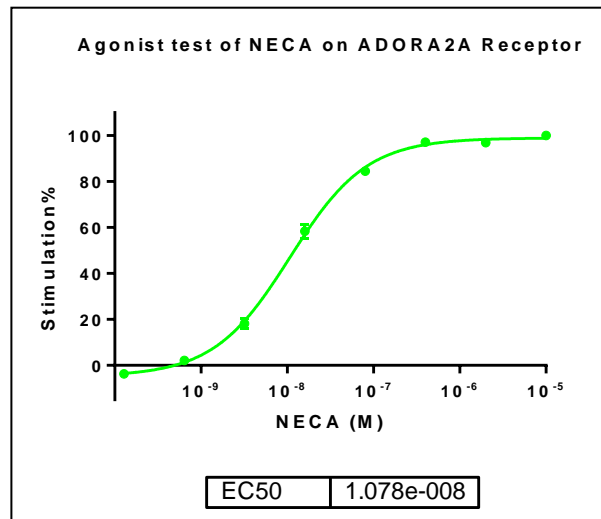
Appendix 2 : cAMP assay

Figure 2. This cell based assay is based on HTRF® technology (Homogeneous Time-Resolved Fluorescence). It is a competitive immunoassay that uses cAMP labeled with the d2 acceptor fluorophore and an anti-cAMP monoclonal AB labeled with Europium Cryptate. The FRET signal decreases as cAMP concentration rises. The EC50 of NECA on receptor in CHO-K1 cells was 10.78 nM.

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:  Date: 01/24/2018
Department of Biologics Development Director