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SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-44113

Macrophage Cell Line Derived from Caspase 1 Knockout Mice

Catalog No. NR-44113

This reagent is the property of the U.S. Government.

Product Description: This murine macrophage cell line was derived using primary bone marrow cells from caspase 1 (interleukin-1 converting enzyme) knockout mice. The macrophage cells were immortalized by infection with the ecotropic transforming replication-deficient retrovirus J2 using techniques described in the literature.

Lot: 61982314 **Manufacturing Date: 04SEP2013**

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Macrophage	Macrophage
Confirmation of Knockout Phenotype by Indirect Fluorescent Antibody Assay		
Caspase 1[1]	No fluorescence observed	No fluorescence observed
TLR9[2]	Fluorescence observed	Fluorescence observed
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	Murine origin No evidence of another species	Murine origin No evidence of another species
Total Cell Count	> 1.0×10^6 cells per vial	4.9×10^6 cells per vial
Post-Freeze Viability	≥ 50%	76.4%
Sterility (21-day incubation)		
Harpo's HTYE broth[3], 37°C and 26°C, aerobic	No growth	No growth
Trypticase soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud broth, 37°C and 26°C, aerobic	No growth	No growth
Blood agar, 37°C, aerobic	No growth	No growth
Blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth
DMEM with 10% FBS, 37°C and 5% CO_2	No growth	No growth
Mycoplasma Contamination		
Hoechst DNA stain	None detected	None detected
Agar and broth culture (14-day incubation at 37°C)	None detected	None detected
DNA Detection by PCR of Test Article nucleic acid	None detected	None detected

[1]Using Caspase 1 Antibody (Millipore, AB1871)
[2]Using TLR9 Antibody (Novus Biological, NBP1-76680)
[3]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 18 DEC 2016 **Signature:**

BEI Resources Authentication

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