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SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-19976

Macrophage Cell Line Derived from TLR2/TLR9 Double Knockout Mice

Catalog No. NR-19976

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

Product Description:

The murine macrophage cell line was derived using primary bone marrow cells from TRL2 (toll-like receptor 2)/TRL 9 (toll-like receptor 9) knockout mice. The primary bone marrow cells were immortalized by infection with the ecotropic transforming replication-deficient retrovirus J2 using techniques described in the literature.

Lot: 70063482 **Manufacturing Date: 25SEP2023**

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Macrophage	Macrophage
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/vial	4.3×10^6 cells/vial
Post-Freeze Viability	≥ 50%	84.0%
Sterility (21-day incubation)		
Harpo's HTYE broth, 37°C and 26°C, aerobic[1]	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
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep 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 extracted Test Article nucleic acid	None detected	None detected

[1]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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