

**Microglial Cell Line Derived from TRIF Knockout Mice**

**Catalog No. NR-15638**

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**Product Description:** This murine microglial cell line was derived using primary bone marrow cells from TRIF (toll-interleukin-1 receptor-domain-containing-adaptor-inducing interferon- $\beta$ ) knockout mice. The microglial cells were immortalized by infection with the ecotropic transforming replication-deficient retrovirus J2 using techniques described in the literature.

**Lot: 58853163**

**Manufacturing Date: 18SEP2015**

TEST	SPECIFICATIONS	RESULTS
<b>Growth Properties</b>	Adherent	Adherent
<b>Morphology</b>	Microglial	Microglial
<b>Confirmation of Knockout Phenotype by Indirect Fluorescent Antibody Assay</b> TRIF/TICAM <sup>1</sup> TLR9 <sup>2</sup>	No Fluorescence observed Fluorescence observed	No Fluorescence observed Fluorescence observed
<b>Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene</b>	Murine origin No evidence of another species	Murine origin No evidence of another species
<b>Total Cell Count</b>	> 1.0 × 10 <sup>6</sup> cells per vial	4.2 × 10 <sup>6</sup> cells per vial
<b>Post-Freeze Viability</b>	≥ 50%	87.6%
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>3</sup> , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Blood agar, 37°C, aerobic Blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO <sub>2</sub>	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
<b>Mycoplasma Contamination</b> Hoechst DNA stain Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid	None detected None detected None detected	None detected None detected None detected

<sup>1</sup>Using TRIF/TICAM1 Antibody, (Novus Biological, NB120-13810)

<sup>2</sup>Using TLR9 Antibody (Novus Biological, NBP1-76680)

<sup>3</sup>Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 11 DEC 2015

**Signature:** 

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