

# Macrophage Cell Line Derived from IRF3/IRF7 Double Knockout Mice

## Catalog No. NR-15637

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**Product Description:** This murine macrophage cell line was derived using primary bone marrow cells from IRF3 (interferon regulatory factor 3)/IRF7 (interferon regulatory factor 7) double knockout mice. The macrophage cells were immortalized by infection with the ecotropic transforming replication-deficient retrovirus J2 using techniques described in the literature.

**Lot:** 70022146

**Manufacturing Date:** 19FEB2019

TEST	SPECIFICATIONS	RESULTS
<b>Growth Properties</b>	Adherent	Adherent
<b>Morphology</b>	Macrophage	Macrophage
<b>Confirmation of Knockout Phenotype by Indirect Fluorescent Antibody Assay</b> IRF3 <sup>1</sup> IRF7 <sup>2</sup> TLR9 <sup>3</sup>	No fluorescence observed No fluorescence observed Fluorescence observed	No 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	5.0 × 10 <sup>6</sup> cells per vial
<b>Post-Freeze Viability</b>	≥ 50%	84.5%
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>4</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 Phospho-IRF-3 pSer385 Antibody, (Thermo Scientific, PA5-38285)

<sup>2</sup>Using Anti-IRF7 Antibody, (Novus Biological, NBP1-77263)

<sup>3</sup>Using TLR9 Antibody (Novus Biological, NBP1-76680)

<sup>4</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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