

# Macrophage Cell Line Derived from IRF7 Knockout Mice

## Catalog No. NR-15636

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

**Lot:** 61982312

**Manufacturing Date:** 23SEP2013

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> IRF7 <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	4.3 × 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>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 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 Anti-IRF7 Antibody, (Millipore, ABF202)

<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:** 18 DEC 2016

**Signature:**



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