

Certificate of Analysis for NR-19977

Macrophage Cell Line Derived from TLR1 Knockout Mice

Catalog No. NR-19977

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 TLR1 knockout mice. The macrophage cells were immortalized by infection with the ecotropic transforming replication-deficient retrovirus J2 using techniques described in the literature.

Lot: 60523123 Manufacturing Date: 16APR2012

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Growth Properties | Adherent | Adherent |
| PCR Amplification of Extracted DNA (Figure 1) TLR1 wild type primers TLR1 knockout primers | No amplicon Expected amplicon | No amplicon Expected amplicon |
| Stimulation of TNF-α | Report results | See Figure 2 |
| 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 x 10 ⁶ cells/vial | 9.8 x 10 ⁶ cells/vial |
| Post-Freeze Viability | ≥ 50% | 76.2% |
| Sterility (21-day incubation) Harpo's HTYE broth ¹ , 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 ₂ | No growth | No growth |
| Mycoplasma Contamination 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 |

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

Date: 12 FEB 2014 Signature:

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC® and the contributor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

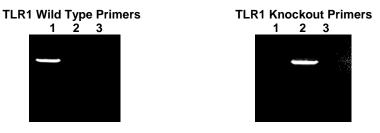
BEI Resources www.beiresources.org E-mail: contact@beiresources.org
Tel: 800-359-7370

Fax: 703-365-2898



Certificate of Analysis for NR-19977

Figure 1 – PCR Amplification

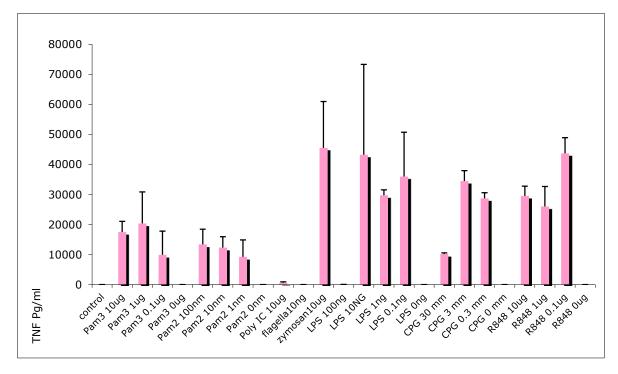


Lane 1: Wild type macrophages

Lane 2: TLR1 knockout macrophages (NR-19977)

Lane 3: Negative control (H₂O)

Figure 2 – Stimulation of TNF-α



E-mail: contact@beiresources.org
Tel: 800-359-7370

Fax: 703-365-2898