

**HEK-TLR4<sup>YFP</sup>/MD-2 Cell Line**

**Catalog No. NR-9315**

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

**Product Description:**

HEK-TLR4<sup>YFP</sup>/MD-2 cell line is derived from an adherent human embryonic kidney epithelial cell line (HEK-293) by stable transfection with a cDNA construct coding for a Yellow Fluorescent Protein (YFP)-Human Toll-Like Receptor 4 (TLR4) chimera, followed by stable transduction with a retrovirus encoding human MD-2.

**Lot: 70057967**

**Manufacturing Date: 20MAR2023**

| TEST  | SPECIFICATIONS                                  | RESULTS   |
|---|---|---|
| <b>Growth Properties</b>  | Adherent  | Adherent  |
| <b>Morphology</b>   | Epithelial                                      | Epithelial                                      |
| <b>Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene</b>   | Human origin<br>No evidence of another species  | Human origin<br>No evidence of another species  |
| <b>Total Cell Count</b>   | > 1.0 × 10 <sup>6</sup> cells/vial              | 4.1 × 10 <sup>6</sup> cells/vial                |
| <b>Post-Freeze Viability</b>  | ≥ 50%   | 84.8%   |
| <b>Sterility (BacT/ALERT<sup>®</sup> 3D), 21 days</b><br>iNST culture bottle, 32°C, anaerobic<br>iAST culture bottle, 32°C, aerobic                                       | No growth<br>No growth                          | No growth<br>No growth                          |
| <b>Mycoplasma Contamination</b><br>Hoechst DNA stain<br>Agar and broth culture (14-day incubation at 37°C)<br>DNA detection by PCR of extracted Test Article nucleic acid | None detected<br>None detected<br>None detected | None detected<br>None detected<br>None detected |

/Sonia Bjorum Brower/

Sonia Bjorum Brower

Technical Manager, ATCC Federal Solutions

09 OCT 2023

ATCC<sup>®</sup>, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected 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<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> 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.

