

### Monoclonal Anti-Human Toll-Like Receptor 3 (hTLR3), Clone U54.M.hTLR3.3.1 (Immunoglobulin G, Mouse)

Catalog No. NR-814

**For research use only. Not for human use.**

This preparation is being provided without functional confirmation. Please read the Certificate of Analysis carefully to determine whether or not this product is acceptable for your intended use.

#### Contributor:

Dr. Richard Ulevitch, Department of Immunology, Scripps Research Institute, La Jolla, CA

#### Product Description:

Antibody Class: IgG2ak  
Mouse monoclonal antibody prepared against the human Toll-like receptor 3 (hTLR3) was purified from mouse ascites by protein A affinity chromatography.

#### Material Provided:

Each vial contains approximately 1 mg of purified monoclonal antibody in 0.02 M phosphate buffer (pH 7.2) containing 0.15 M sodium chloride and 0.02% (w/v) sodium azide. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

#### Packaging/Storage:

NR-814 was packaged aseptically in cryovials and is provided frozen on dry ice. NR-814 may be stored undiluted at 4°C for several weeks. It should not be diluted until immediately prior to use. For long-term storage, NR-814 should be aliquoted and stored at -20°C or colder. Freeze-thaw cycles should be avoided.

#### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see [www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm).

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Monoclonal Anti-Human Toll-Like Receptor 3 (hTLR3),

Clone U54.M.hTLR3.3.1 (Immunoglobulin G, Mouse), NR-814."

#### Disclaimers:

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

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

#### Use Restrictions:

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

#### References:

- Alexopoulou, L., et al. "Recognition of Double-Stranded RNA and Activation of NF-kappaB by Toll-Like Receptor 3." *Nature* 413 (2001): 732-738. PubMed: 11607032.
- Takeda, K., T. Kaisho, and S. Akira. "Toll-Like Receptors." *Annu. Rev. Immunol.* 21 (2003): 335-376. PubMed: 12524386.
- Werling, D., and T. W. Jungi. "TOLL-Like Receptors Linking Innate and Adaptive Immune Response." *Vet. Immunol. Immunopathol.* 91 (2003): 1-12. PubMed: 12507844.
- Heine, H., and E. Lien. "Toll-Like Receptors and their Function in Innate and Adaptive Immunity." *Int. Arch. Allergy Immunol.* 130 (2003): 180-192. PubMed: 12660422.
- Beutler, B. "Innate Immune Responses to Microbial Poisons: Discovery and Function of the Toll-Like

- Receptors." *Annu. Rev. Pharmacol. Toxicol.* 43 (2003): 609–628. PubMed: 12540749.
6. Akira, S., and H. Hemmi. "Recognition of Pathogen-Associated Molecular Patterns by TLR Family." *Immunol. Lett.* 85 (2003): 85–95. PubMed: 12527213.
  7. Beutler, B. "Innate Immunity: An Overview." *Mol. Immunol.* 40 (2004): 845–859. PubMed: 14698223.
  8. Janeway, C. A. Jr., and R. Medzhitov. "Introduction: The Role of Innate Immunity in the Adaptive Immune Response." *Semin. Immunol.* 10 (1998): 349–350. PubMed: 9799708.
  9. Akira, S. "Mammalian Toll-Like Receptors." *Curr. Opin. Immunol.* 15 (2003): 5–11. PubMed: 12495726.
  10. Bell, J. K., et al. "Leucine-Rich Repeats and Pathogen Recognition in Toll-Like Receptors." *Trends Immunol.* 24 (2003): 528–533. PubMed: 14552836.
  11. Dunne, A., and L. A. O'Neill. "Adaptor Usage and Toll-Like Receptor Signaling Specificity." *FEBS Lett.* 579 (2005): 3330–3335. PubMed: 15876435.

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