Monoclonal Anti-Human Toll-Like Receptor 7 (hTLR7), Clone U54.M.hTLR7.1.1 (Immunoglobulin G, Mouse)

Catalog No. NR-805

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:

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Product Description:

Mouse monoclonal antibody prepared against the human Toll-like receptor 7 (hTLR7) was purified from mouse ascites by protein A affinity chromatography.

Note: The antibody class of the hybridoma from which NR-805 was derived has been reported to be IgG2bκ. Results from BEI Resources indicate that the antibody class of the hybridoma is IgG2aκ.

Material Provided:

Each vial of NR-805 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-805 was packaged aseptically in cryovials and is provided frozen on dry ice. NR-805 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-805 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.

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 7 (hTLR7), Clone U54.M.hTLR7.1.1 (Immunoglobulin G, Mouse), NR-805."

Disclaimers:

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References:

1. Takeda, K., T. Kaisho, and S. Akira. "Toll-Like Receptors." Annu. Rev. Immunol. 21 (2003): 335–376. PubMed: 12524386.
2. Werling, D., and T. W. Jungi. "TOLL-Like Receptors Linking Innate and Adaptive Immune Response." Vet. Immunol. Immunopathol. 91 (2003): 1–12. PubMed: 12507844.
3. 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.

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4. 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.
5. Akira, S., and H. Hemmi. "Recognition of Pathogen-Associated Molecular Patterns by TLR Family." Immunol. Lett. 85 (2003): 85–95. PubMed: 12527213.
6. Beutler, B. "Innate Immunity: An Overview." Mol. Immunol. 40 (2004): 845–859. PubMed: 14698223.
7. 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.
8. Akira, S. "Mammalian Toll-Like Receptors." Curr. Opin. Immunol. 15 (2003): 5–11. PubMed: 12495726.
9. Bell, J. K., et al. "Leucine-Rich Repeats and Pathogen Recognition in Toll-Like Receptors." Trends Immunol. 24 (2003): 528–533. PubMed: 14552836.
10. Dunne, A., and L. A. O'Neill. "Adaptor Usage and Toll-Like Receptor Signaling Specificity." FEBS Lett. 579 (2005): 3330–3335. PubMed: 15876435.

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