

### **Monoclonal Anti-Human Triggering Receptor Expressed On Myeloid Cells 1 (TREM-1), Clone U54.M.hTREM-1.1.1 (Immunoglobulin G, Mouse)**

**Catalog No. NR-833**

**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 specific to human triggering receptor expressed on myeloid cells 1 (TREM-1) was purified from mouse ascites by protein A affinity chromatography.

**Note:** The antibody class of the hybridoma from which NR-833 was derived is IgG1k. The purified mouse ascites preparation (NR-833, lot 4980873) contains IgG1k and IgG2ak.

#### **Material Provided:**

Each vial of NR-833 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-833 was packaged aseptically in cryovials and is provided frozen. NR-833 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-833 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/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.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 Triggering Receptor Expressed On Myeloid Cells 1 (TREM-1), Clone U54.M.hTREM-1.1.1 (Immunoglobulin G, Mouse), NR-833."

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#### **References:**

1. Bleharski, J. R., et al. "A Role for Triggering Receptor Expressed on Myeloid Cells-1 in Host Defense During the Early-Induced and Adaptive Phases of the Immune Response." *J. Immunol.* 170 (2003): 3812-3818. PubMed: 12646648.
2. Bouchon, A., J. Dietrich., and M. Colonna. "Cutting Edge: Inflammatory Responses can be Triggered by TREM-1, A Novel Receptor Expressed on Neutrophils and

- Monocytes." J. Immunol. 164 (2000): 4991–4995.  
PubMed: 10799849.
3. Bouchon, A., et al. "TREM-1 Amplifies Inflammation and is a Crucial Mediator of Septic Shock." Nature 410 (2001): 1103–1107. PubMed: 11323674.
  4. Colonna, M., and F. Facchetti. "TREM-1 (Triggering Receptor Expressed on Myeloid Cells): A New Player in Acute Inflammatory Responses." J. Infect. Dis. 187 (2003): S397–S401. PubMed: 12792857.

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