

Monoclonal Anti-Human Triggering Receptor Expressed On Myeloid Cells 1 (TREM-1), Clone U54.M.hTREM-1.2.1 (Immunoglobulin G, Mouse)

Catalog No. NR-834

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-834 was derived is IgG2bk. The purified mouse ascites preparation (NR-834, lot 4980874) contains IgG2bk, IgG1k and IgG2ak.

Material Provided:

Each vial of NR-834 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-834 was packaged aseptically in cryovials and is provided frozen. NR-834 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-834 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.

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-1.2.1 (Immunoglobulin G, Mouse), NR-834."

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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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