

Monoclonal Anti-*Mycobacterium tuberculosis* HspX (Gene Rv2031c), Clone CS-49 (produced *in vitro*)

Catalog No. NR-13814

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

For research use only. Not for human use.

Contributor:

NIH - TB Vaccine Testing and Research Materials Contract

Product Description:

Antibody Class: IgG₁

Antibody Designation: CS-49

Monoclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv heat shock protein, HspX (α -crystallin) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes.

Material Provided:

Each vial contains approximately 0.5 mL of NR-13814 provided as cell culture supernatant.

Packaging/Storage:

NR-13814 was packaged aseptically in screw-cap cryovials. The product is provided frozen on dry ice and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

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-*Mycobacterium tuberculosis* HspX (Gene Rv2031c), Clone CS-49 (produced *in vitro*), NR-13814."

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.

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References:

1. Cole, S. T., et al. "Deciphering the Biology of *Mycobacterium tuberculosis* from the Complete Genome Sequence." Nature 393 (1998): 537-544. PubMed: 9634230. Erratum in: Nature 396 (1998): 190-198.
2. TubercuList: [Rv2031c](http://www.tubercuList.com/Rv2031c)

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