

**Monoclonal Anti-*Mycobacterium tuberculosis* HspX (Gene Rv2031c), Clone CS-50 (produced *in vitro*)**

**Catalog No. NR-13815**

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

**Manufacturer:**

BEI Resources

**Product Description:**

Antibody Class: IgG<sub>1 $\lambda$</sub>

Antibody Designation: CS-50

Monoclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv heat shock protein, HspX ( $\alpha$ -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 1 mL of NR-13815 provided as cell culture supernatant.

**Packaging/Storage:**

NR-13815 was packaged aseptically in cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Mycobacterium tuberculosis* HspX (Gene Rv2031c), Clone CS-50 (produced *in vitro*), NR-13815."

**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, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.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](#)

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