

**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.

**Product Description:**

Antibody Designation: CS-50

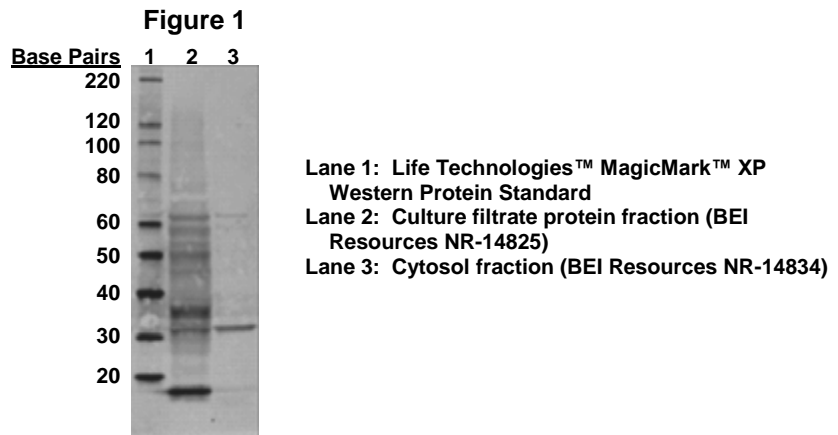
Monoclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv heat shock protein, HspX ( $\alpha$ -crystallin) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes.

**Lot<sup>1</sup>: 61954721**

**Manufacturing Date: 02SEP2013**

TEST	SPECIFICATIONS	RESULTS
Antibody Class	Report results	IgG <sub>1<math>\lambda</math></sub>
<b>Functional Activity by Western Blot</b>		
Culture filtrate protein fraction (BEI Resources NR-14825)	Report results	Reactive (Figure 1)
Cytosol fraction (BEI Resources NR-14834)	Report results	Reactive (Figure 1)
Sterility	0.22 $\mu$ m filter-sterilized	0.22 $\mu$ m filter-sterilized

<sup>1</sup>Clone CS-50 was created by Colorado State University (CSU) as isotype IgA. Although BEI Resources was unable to confirm the reported isotype, Western Blot assays completed at ATCC<sup>®</sup> have shown that the antibody's functional activity is consistent with the results previously provided by CSU.



**Date:** 07 MAR 2014

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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