

**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.

**Product Description:**

Antibody Class: IgG<sub>1</sub>

Antibody Designation: CS-49

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: 59100295**

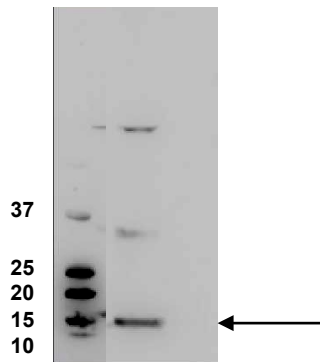
**Manufacturing Date: 15APR2010**

TEST	SPECIFICATIONS	RESULTS
<b>Antibody Class</b>	Report results	IgG <sub>1</sub> $\lambda$
<b>Functional Activity</b> Western Blot using NR-13814 (see Figure 1) <sup>1</sup> Cytosol fraction (NR-14834) Culture filtrate protein fraction (NR-14825)	Reactive Not reactive	Reactive Not reactive
<b>Sterility</b>	0.22 $\mu$ m filter sterilized	0.22 $\mu$ m filter sterilized

<sup>1</sup>NR-13814 can be used neat or at dilutions up to 1:10

**Figure 1: Functional Activity of NR-13814 by Western Blot Analysis**

- Lane 1: Precision Plus Protein Western C Standards (Bio-Rad 161-0376)
- Lane 2: 5  $\mu$ g Cytosol fraction (NR-14834) probed with NR-13814
- Lane 3: 5  $\mu$ g Culture filtrate protein fraction (NR-14825) probed with NR-13814



**Date:** 15 JUN 2011

**Signature:**

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

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