

Certificate of Analysis for NR-13607

Monoclonal Anti-*Mycobacterium tuberculosis* HspX (Gene Rv2031c), Clone IT-20 (TB68) (produced *in vitro*)

Catalog No. NR-13607

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

Product Description:

Antibody Class: IgG₁

Antibody Designation (Original Designation): IT-20 (TB68)

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.

Lot: 59251871

Manufacturing Date: 07JUN2010

TEST	SPECIFICATIONS	RESULTS
Antibody Class	Report results	IgG ₁ K
Functional Activity Western Blot using NR-13607 (see Figure 1) ¹ Culture filtrate protein fraction (NR-14825) Cytosol fraction (NR-14834)	Not reactive Reactive	Not reactive Reactive
Sterility	0.22 μ m filter sterilized	0.22 μ m filter sterilized

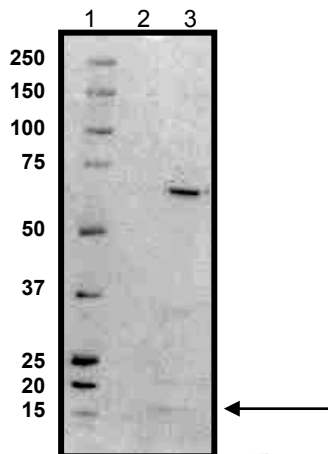
¹NR-13607 can be used neat or at dilutions up to 1:10

Figure 1: Functional Activity of NR-13607 by Western Blot Analysis

Lane 1: Precision Plus Protein Western C Standards (Bio-Rad 161-0376)

Lane 2: 5 μ g Culture filtrate protein fraction (NR-14825) probed with NR-13607

Lane 3: 5 μ g Cytosol fraction (NR-14834) probed with NR-13607



Date: 15 JUN 2011

Signature:

Title:

Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



Biodefense and Emerging Infections Research Resources Repository

www.beiresources.org

E-mail: contact@beiresources.org

Tel: 800-359-7370

Fax: 703-365-2898