b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-14855

Ag85 Complex, Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv

Catalog No. NR-14855

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

Product Description: The Antigen 85 Complex was isolated from *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv culture filtrate proteins and purified. This complex of fibronectin-binding proteins Ag85A (FbpA), Ag85B (FbpB), and Ag85C (FbpC) is the major secreted protein component of *M. tuberculosis* culture fluids and plays a key role in the pathogenesis of tuberculosis. This protein complex is highly immunogenic and plays a role in cell wall assembly via a mycolyltransferase exchange process. All three purified antigens have shown extensive cross-reactivity and stimulate complement-mediated phagocytosis by host macrophages.

Lot: 63291509 **Manufacturing Date: 03DEC2015**

Production and QC testing were performed by Colorado State University (CSU). The Colorado State University documentation for lot 15.Rv.2.12.3.Ag85 is attached.

Support Provided by NIAID

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
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WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

BEI Catalog Number: NR-14855
Product Description: Ag85 Complex (mixture of Rv3804c, Rv1886c, Rv0129c)
CSU Lot Number: 15.Rv.2.12.3.Ag85
Species: *M. tuberculosis*
Strain: H37Rv

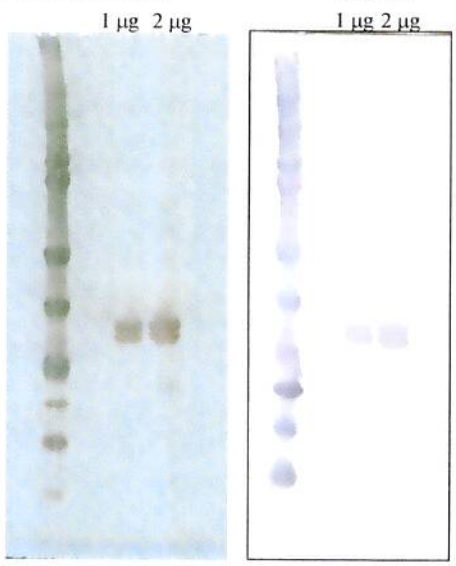
Purification Information

Starting material: ConA flow through of 40% ammonium sulfate cut (163.92mg)
Starting material (select one):
X CFP: Filter Sterilized Yes
____ Cells: Irradiated N/A
Viability Test Performed: N/A
Protocol used (SOP #'s): PP020.3
Date started: 11 / 16 / 2015
Date completed: 12 / 3 / 2015
Notebook; page(s): Megan Lucas, BEI Production #2, Starting material: pg. 30-34, Purification: pg. 70-73
Additional notes (if applicable): Phenyl sepharose binding buffer was changed to 50 mM, pH 6.8 and a larger 60mL column was used.

Quality Control Information

Clarity of product/suspension after dialysis: clear
BCA: 5.997 µg /µl Notebook and page(s): MCL, BEI Production #2; pg 73
Total Protein: 42 mg
Silver Stain Date: 12 / 2 / 2015 Notebook and page(s): MCL, BEI Production #2; pg 73
Western blot Date: 12 / 2 / 2015 Antibody used: CS-90
Notebook and page(s): MCL, BEI Production #2; pg 73
Mass Spectrometry information/file (if applicable): N/A

QC Gel and Blot: **CS-90**



Aliquot Information:

84 x 500 µg

M. Lucas 12-3-15
(Research Associate) (date)

C. Mehaffy 12/3/15
(Laboratory Supervisor) (date)