

Ag85 Complex, Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv**Catalog No. NR-14855**

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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: 60692633**Manufacturing Date: 07JUN2013**

Production and QC testing were performed by Colorado State University (CSU). The Colorado State University documentation for lot 13.Rv.2.5.7.Ag85 is attached.

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.

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



WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

CSU Lot Number: 13.Rv.2.5.7.Ag85
Product Description: Ag85 Complex (Rv3804c, Rv1886c, Rv0129c)
Species: *M. tuberculosis*
Strain: H37Rv

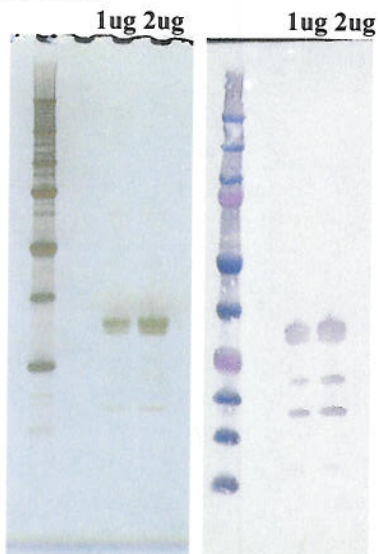
Purification Information

Starting material: 11.Rv.2.3.7.6.CFP (268.7 mg), 11.Rv.2.9.12.6.CFP (317.4 mg), 11.Rv.2.2.21.5.CFP (250 mg)
Protocol used (SOP #'s): PP020.3
Date started: 05 / 07 / 2013
Date completed: 06 / 07 / 2013
Notebook; page(s): Megan Lucas, BEI Production; pg 25-40
Additional notes (if applicable): _____

Quality Control Information

Clarity of product/suspension after dialysis: clear
BCA: 2.487 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): MCL, BEI Production; pg 47
Total volume: 7.6 ml Total amount of Protein: 18.96 mg
Silver Stain Date: 05 / 31 / 2013 Notebook and page(s): MCL, BEI Production; pg 47
Western blot Date: 06 / 06 / 2013 Antibody used: CS-90
Notebook and page(s): MCL, BEI Production; pg 47
Mass Spectrometry information/file (if applicable): _____

QC Gel and Blot:



Aliquot Information:

37 x 500 μg
1 x 460 μg

Megan Lucas 6-7-13
(Research Associate) (date)

[Signature] 6/10/2013
(Laboratory Supervisor) (date)