

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: 62345841**Manufacturing Date: 23APR2014**

Production and QC testing were performed by Colorado State University (CSU). The Colorado State University documentation for lot 14.Rv.2.4.23.Ag85Complex is attached.

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WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

Lot Number: 14.Rv.2.4.23.Ag85Complex

Product Rv3804c, Rv1886c, Rv0129c

Species: Mycobacterium tuberculosis

Strain: H37Rv

Purification Information

Starting material: CFP lot # 13.Rv.2.2.19.6.CFP & 13.Rv.2.2.12.6..CFP

Protocol used (SOP #'s): SOP: PP020.2

Date started: 3/19/2014

Date completed: 4/23/2014

Notebook; page(s): Rachel Hazenfield Protein #2 pp. 95-99

Additional notes (if applicable):

Quality Control Information

Clarity of product/suspension after dialysis: clear

BCA: 1.449 mg /ml

Notebook and page(s): Rachel Hazenfield Protein #2 p.107

Total volume: 13.802 ml

Total amount of Protein: 20 mg

Silver Stain Date: 4/22/2014

Notebook and page(s): Rachel Hazenfield Protein #2 p.99

Western blot Date: 4/22/2014

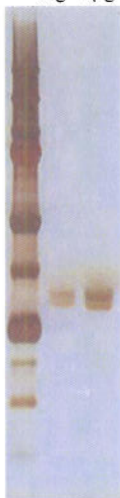
Antibody used: CS-90

Notebook and page(s): Rachel Hazenfield Protein #2 p.99

QC Gel and Blot:

Silver Stain

1ug 2ug



CS-90

1ug 2ug



Aliquot Information:

*Aliquot information reflects aliquots made at the time of QC. Bulk aliquots will be broken down as needed.

40 x 0.50 mg

Rachel Hazenfield
(Research Associate)

4/23/14
(date)

[Signature]
(Laboratory Supervisor)

4/24/2014
(date)