

**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: 70005734**

**Manufacturing Date: 07NOV2017**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.Rv.2.11.7.Ag85 is attached.

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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: 17.Rv.2.11.7.Ag85  
Species: *M. tuberculosis*  
Strain: H37Rv

### Purification Information

Starting material: CFP: 17.Rv.2.8.9.9.CFP & 17.Rv.2.8.23.10.CFP (638.4 mg total)

Starting material (select one):

☒ CFP: Filter Sterilized ☐ Yes

☐ Cells: Irradiated ☐ N/A

Viability Test Performed: N/A

Protocol used (SOP #'s): PP020.4

Date started: 09 / 27 / 2017

Date completed: 11 / 7 / 2017

Notebook; page(s): Megan Lucas, BEI Production #3, pg 96-102

Additional notes (if applicable): \_\_\_\_\_

### Quality Control Information

Clarity of product/suspension after dialysis: clear

BCA: 5.349  $\mu$ g /  $\mu$ l Notebook and page(s): MCL, BEI Production #3; pg 102

Total Protein: 22.374 mg

Silver Stain Date: 11 / 6 / 2017 Notebook and page(s): MCL, BEI Production #3; pg 102

Western blot Date: 11 / 6 / 2017 Antibody used: CS-90

Notebook and page(s): MCL, BEI Production #3; pg 102

Mass Spectrometry information/file (if applicable): N/A

### QC Gel and Blot:

#### CS-90



### Aliquot Information:

44 x 500  $\mu$ g

1 x 374  $\mu$ g

[Signature]  
(Research Associate)

11-8-17  
(date)

C. Ghahary  
(Laboratory Supervisor)

11-9-17  
(date)