

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:

NR-14855 is a preparation of antigen 85 (Ag85) complex purified from the culture filtrate proteins of *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv.

Lot: 70029298

Manufacturing Date: 03OCT2019

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 19.Rv.2.10.3.Ag85 is attached.

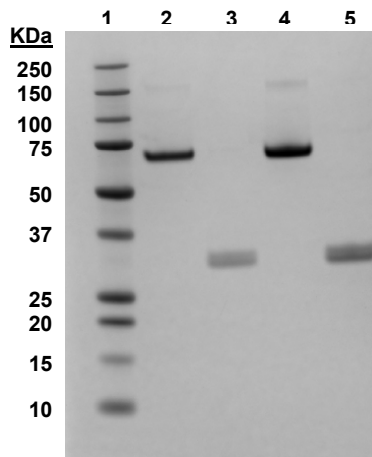
TEST	SPECIFICATIONS	RESULTS
SDS-PAGE and Silver Stain ¹	Report results	A doublet visible at approximately 30 KDa (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay ¹	Report results	4.26 µg per µL
Western Blot Analysis ^{1,2} Monoclonal anti-Ag85 complex ³	Reactive	Reactive (Figure 2)

¹Retesting of NR-14855 lot 70029298 was performed by BEI Resources in September 2022 to confirm product stability

²Using bovine serum albumin (BSA) as a standard

³Monoclonal anti-*M. tuberculosis* Ag85 Complex (FbpA/FbpB/FbpC; Genes Rv3804c, Rv1886c, Rv0129c), Clone IT-44 (HBT7) (BEI Resources NR-50572) (1:1000 dilution)

Figure 1: SDS-PAGE and Silver Stain



Lane 1: Precision Plus Protein™ Standard (Bio-Rad 1610373)

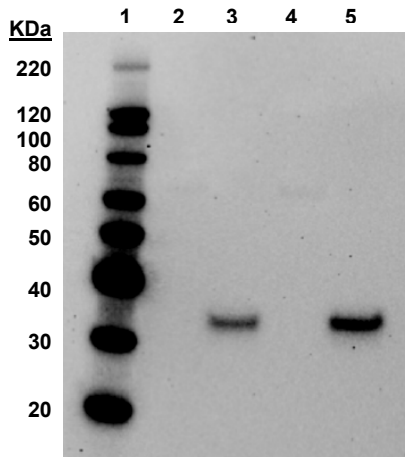
Lane 2: BSA, 1 µg

Lane 3: NR-14855 lot 70029298, 1 µg

Lane 4: BSA, 2 µg

Lane 5: NR-14855 lot 70029298, 2 µg

Figure 2: Western Blot



Lane 1: MagicMark™ XP Protein Standard (Invitrogen® LC5602)
 Lane 2: BSA, 1 µg
 Lane 3: NR-14855 lot 70029298, 1 µg
 Lane 4: BSA, 2 µg
 Lane 5: NR-14855 lot 70029298, 2 µg

/Sonia Bjorum Brower/
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Technical Manager or designee, ATCC Federal Solutions

17 NOV 2022

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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: 19.Rv.2.10.3.Ag85
Species: *M. tuberculosis*
Strain: H37Rv

Purification Information

Starting material: CFP: 14.Rv.2.11.4.8.CFP (313.35mg), 18.Rv.2.1.31.9.CFP (175.23mg), 18.Rv.2.5.30.10.CFP (196.7mg), 18.Rv.2.8.8.9.CFP (240.6mg) - 925.88mg 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 / 03 / 2019

Date completed: 10 / 03 / 2019

Notebook; page(s): Megan Lucas, BEI Production #4, pg 90-97

Quality Control Information

Clarity of product/suspension after dialysis: clear

BCA: 5.958 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): MCL, BEI Production #4; pg 97

Total Protein: 31.62 mg

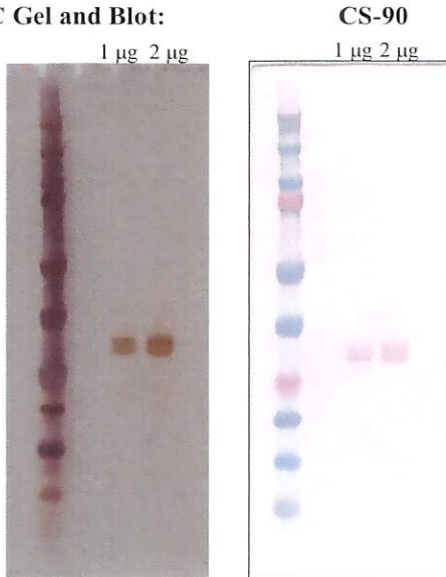
Silver Stain Date: 10 / 03 / 2019 Notebook and page(s): MCL, BEI Production #4; pg 97

Western blot Date: 10 / 03 / 2019 Antibody used: CS-90

Notebook and page(s): MCL, BEI Production #4; pg 97

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

QC Gel and Blot:



Aliquot Information:

63 x 500 μg
1 x 120 μg

M. Lucas
(Research Associate)

10-3-19
(date)

C. Schaffner
(Laboratory Supervisor)

10/4/19
(date)