Mycobacterium tuberculosis, Strain H37Rv, Purified Lipoarabinomannan (LAM)

Catalog No. NR-14848
This reagent is the tangible property of the U.S. Government.

Product Description: NR-14848 is a preparation of the lipoarabinomannan (LAM) derived from the cell wall of irradiated Mycobacterium tuberculosis, strain H37Rv. LAM possesses many biological activities including immunogenicity, induction of TNF and the release of other cytokines, and inhibition of antigen processing. The nonreducing termini of H37Rv LAM are extensively capped with mannose.

Lot: 70003291 Manufacturing Date: 27JAN2017

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.Rv.01.27.SSP.ManLAM.b is attached.

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WORK SHEET FOR LIPOARABINOMANNAN

General Information

BEI Catalog Number: NR-14848
CSU Lot Number: 17.Rv.01.27.SSP.ManLAM.b
Species: Mycobacterium tuberculosis
Strain: H37Rv

Purification Information

Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): 37.9 g (partial lot) + 79.1 g
Protocol used (SOP #): PP015.5, PP016.5, PP017.3
Date started: 11/04/16
Date completed: 01/27/2017
Notebook; pages: KN LAM pp.7-11, and SSP #2 pp. 45-52
Additional notes (if applicable): N/A

Quality Control Information

NMR results: pass
Endotoxin amount: 0.19 ng/mg
GC Results: 1.6 mg/ml
Total amount of LAM: 8 mg
Silver stain date: 01/27/2017
Western blot date: 01/27/2017
Notebook and page(s): SSP #2 p. 64
Notebook and page(s): SSP #2 p. 62
Notebook and page(s): SSP #2 p. 56
Notebook and page(s): SSP #2 p. 59
Notebook and page(s): SSP #2 p. 59
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QC Gel and Blot:

![QC Gel and Blot Image]

Aliquot Information:
16 vials @ 500 ug
8 mg total

Stephie Frazee 2/28/17
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(Laboratory Supervisor)