

Mycobacterium smegmatis*, Purified Lipoarabinomannan (LAM)*Catalog No. NR-14849**

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Product Description:

NR-14849 is a preparation of lipoarabinomannan (LAM) derived from the cell wall of *Mycobacterium smegmatis*. LAM possesses many biological activities including immunogenicity, induction of TNF and the release of other cytokines, and inhibition of antigen processing.

Lot: 70049065**Manufacturing Date: 21MAR2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 22.SMEG.3.21.LAM is attached.

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WORK SHEET FOR LIPOARABINOMANNAN

General Information

BEI Catalog Number: NR-14849
Lot Number: 22.SMEG.3.21.LAM
Species: *Mycobacterium smegmatis*
Strain: N/A

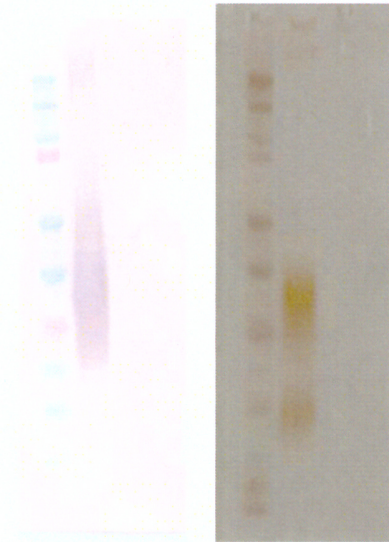
Purification Information

Starting material (lot #): 21.SMEG.12.6.5.WCg
Cells Irradiated: NO
Viability Test Performed: LJ slant- No Viable Organism Detected 1/24/2022
Cell amount (wet weight): 28.4g
Protocol used (SOP #): PP015.3, PP016.4, PP017.2
Date started: 01/05/2022
Date completed: 03/21/22
Notebook; pages: DF NB6 pg: 3-4, 10,11,13,16,21,23-25,28-32
Additional notes (if applicable):Purification was changed from using Sephacryl-200 and Sephacryl-100 columns in tandem to using a Superdex 75pg and Sephacryl-100 in tandem

Quality Control Information

NMR results: pass Notebook and page(s): DF NB6 pg. 23
Endotoxin amount: 0.319ng/mg Notebook and page(s): DF NB6 pg. 30
Image J Results: 5.31 mg/ml Notebook and page(s): DF NB6 pg. 31
Total amount of LAM: 15.9 mg
Silver stain date: 3/17/2022 Notebook and page(s): DF NB6 pg:32
Western blot date: 3/21/2022 Antibody used: CS-35 Notebook and page(s): DF NB6 pg:32
Amount loaded on gels: 3ug

QC Gel and Blot:



***trace amounts of LM**

Aliquot Information:

30 X 0.5mg Aliquots
1 X 0.1593mg Aliquot

Danara Flores 3/22/22
(Research Associate) (date)

C. Mahaffey 3/23/22
(Laboratory Supervisor) (date)