

***Mycobacterium leprae*, ND-O-BSA (PGL-I-Based Glycoconjugate of Bovine Serum Albumin)****Catalog No. NR-59498**

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**Product Description:**

NR-59498 is a synthetic phenolic glycolipid-I (PGL-I) made using the serologically active terminal disaccharide (ND; natural disaccharide) portion of PGL-I from *Mycobacterium leprae* linked to bovine serum albumin (BSA) via an octyl linker arm.

**Lot: 70062140****Manufacturing Date: 14JUL2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 2.1.11.KL.7.14.23.LMNR.ND-O-BSA is attached.

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# QUALITY CONTROL SHEET FOR ND-O-BSA (SYNTHETIC PGL-I)

## General Information

BEI catalogue number: NR-59498

CSU Lot Number: 2.1.11.KL.7.14.23.LMNR.ND-O-BSA

## Purification Information

Starting material: disaccharide hydrazide Batch AL 20-22, 20 mg; bovine serum albumin, 26.0 mg

Starting Material Lot #: AL 20-22 hydrazide 84 mg total

Protocol used (SOP #'s): Delphi Chatterjee protocol with minor modifications by Dr. Kai Li (Zhang, J., D. Chatterjee, P. J. Brennan, J. S. Spencer, and A. Liav. 2010. A modified synthesis and serological evaluation of neoglycoproteins containing the natural disaccharide of PGL-I from *Mycobacterium leprae*. Bioorg. Med. Chem. Lett. 20:3250-3253) and SOP: SP082.

Date started: 1/3/11 Date completed: 7/14/23

Notebook; page(s): Kai Li Notebook #1, pp 94-95, LMNR Notebook #1 BEI Contract pp 39-42

Additional notes (if applicable): Crude aliquot of ND-O-BSA-2.1.11.KL was used for final product.

Qualification initiated 7/13/23 and completed 7/14/23.

## Quality Control Information:

Total amount of ND-O-BSA: 6.0 mg

BCA date: 7/13/23

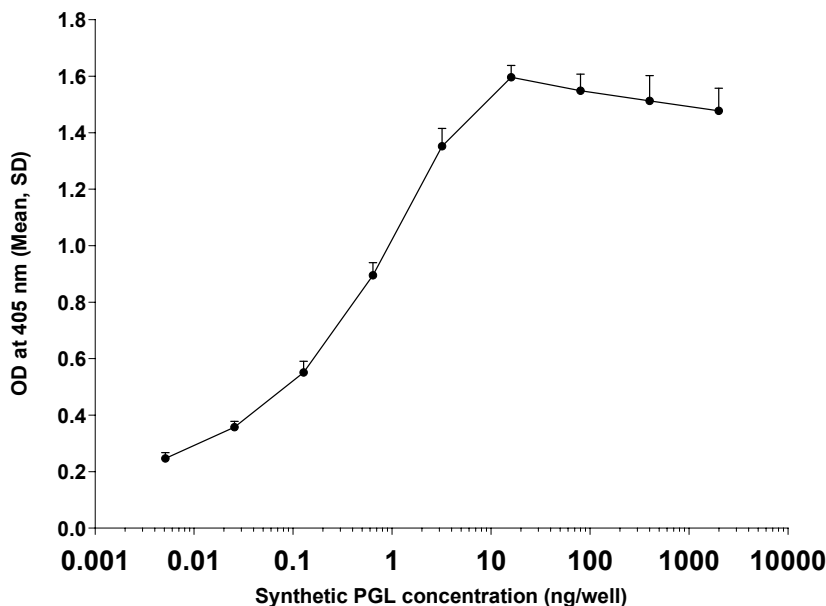
BCA concentration: 1.952 mg/mL

Date lyophilized: 7/18/23 Notebook and page(s) LMNR Notebook #1 BEI Contract pp 39-42,

ELISA assay: ELISA assay on reconstituted product in MilliQ water. Serial 5-fold dilutions from  $2 \times 10^3$  ng to  $5.12 \times 10^{-3}$  ng. SOP: SP082.

ELISA date: 7/13/23-7/14/23

## QC ELISA:



## Aliquot Information\*:

24 x 0.25 mg

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

Luisa Nieto Ramirez 08/02/23  
(Research Scientist) date

Rebecca Staudenmaier 8/02/23  
(Laboratory Supervisor) date