Mycobacterium canettii Phenolic Glycolipid (PGL)

Catalog No. NR-36510

This reagent is the tangible property of the U.S. Government.

For research use only. Not for use in humans.

Contributor:

BEI Resources or NIH - TB Vaccine Testing and Research Materials Contract

Manufacturer:

Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado, USA and NIH - TB Vaccine Testing and Research Materials Contract

Product Description:

NR-36510 was produced from the total lipids of *Mycobacterium canettii (M. canettii)*. Preparative TLC of the Folch-washed total lipid in chloroform/methanol (95:5, v/v) with scraping of individual bands and elution from silica using 2:1 chloroform/methanol yields PGL.

Material Provided:

Each vial contains approximately 250 µg of dried NR-36510.

Note: PGL is soluble in chloroform:methanol (2:1). DMSO can also be used depending on the downstream application.

Packaging/Storage:

NR-36510 was packaged aseptically in glass vials. The product is provided at room temperature and can be stored at room temperature until reconstituted. Reconstituted material should be aliquoted and stored frozen at -20°C or colder. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycobacterium canettii* Phenolic Glycolipid (PGL), NR-36510."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale. This material may be subject to third party patent rights.

References:

1. Daffe, M., et al. "Structure of the Major Triglycosyl Phenol-Phthiocerol of *Mycobacterium tuberculosis* (strain Canetti)." Eur. J. Biochem. 167 (1987): 155-160. PubMed: 3113946.
2. Brosch, R., et al. "A New Evolutionary Scenario for the *Mycobacterium tuberculosis* complex." Proc. Natl. Acad. USA 99 (2002): 3684-3689. PubMed: 11891304.
3. Van Soolingen, D., et al. "A Novel Pathogenic Taxon of the *Mycobacterium tuberculosis* Complex, *Canetti*: Characterization of an Exceptional Isolate from Africa." Int. J. Syst. Bacteriol. 47 (1997): 1236-1245. PMID: 9336935.

ATCC® is a trademark of the American Type Culture Collection.

Support Provided by NIAID

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898