

**Monoclonal Anti-*Mycobacterium leprae* PGL-1, Clone CS-48 (produced *in vitro*)****Catalog No. NR-19370**

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

**Product Description:**

Antibody Class: IgG<sub>3</sub>

Antibody Designation: CS-48

Monoclonal antibody to *Mycobacterium leprae* phenolic glycolipid-1 (PGL-1) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes.

**Lot: 62692904****Manufacturing Date: 25AUG2010**

Production and QC testing were performed by Colorado State University (CSU) under the Leprosy Research Support Contract (NIH). The CSU documentation for bulk lot mm.CS-48.08.25.2010JS is attached. Each vial contains approximately 500 µL of NR-19370 provided as cell culture supernatant.

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## TB Contract Antibody QC Sheet

**General Information:** Mouse monoclonal antibody to *M. leprae* PGL-I

Product: mouse monoclonal CS-48 9d culture supernatant

Lot Number: mm.CS-48.08.25.2010JS

BEI Catalogue number: NR-19370

Species: *Mycobacterium leprae*

Strain: N/A Type: mouse mAb IgG3 subclass

**Production Information:**

Cell Line: N/A Notebook/pp: John Spencer, Notebook #4, pp 68-69

Amount of supernatant harvested: 80 ml Clarity: clear

**QC Information:** ELISA assay towards the synthetic PGL-I, ND-O-BSA.

Notebook/pp: same as above Titer: >1:20 Western blot: N/A

**Special Instructions:** Store frozen aliquots at -70°C until use

QC ELISA: 100 ng/well ND-O-BSA coated onto wells in carbonate/bicarbonate pH 9.6 coating buffer. Serial dilutions of CS-48 from undiluted to 1:2,560 tested. Rabbit anti-mouse Ig-alkaline phosphatase secondary antibody.

Ab dilution:	und	1:5	1:10	1:20	40	80	160	320	640	1,280	2,560	
	0.134	1.310	1.345	1.211	1.216	0.986	0.908	0.685	0.546	0.419	0.288	0.224
	-ve BSA											

**Aliquot Information:** \_\_\_\_ 8 x 10 ml \_\_\_\_\_



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Produced 8/25/10

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Lab Supervisor / Date 9/15/10