SUPPORTING INFECTIOUS DISEASE RESEARCH

# Monoclonal Anti-*Mycobacterium tuberculosis* LprG (Gene Rv1411c), Clone B (produced *in vitro*)

#### Catalog No. NR-51133

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

## **Product Description:**

Antibody Class: IgG<sub>2b1</sub>

Antibody Designation: α-Rv1411c

Monoclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv lipoprotein G (LprG/P27) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes.

### Lot: 70008603

## Manufacturing Date: 14NOV2017

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.anti-Rv1411c.B.10.16.25.mm is attached.

<u>Note</u>: Lot 17.anti-Rv1411c.B.10.16.25.mm was tested against the Triton<sup>™</sup> X-114 (TX-114) extraction (CSU SOP PP010) and contains periplasmic phosphate-binding lipoprotein (PhoS1/PstS1; 38 kDa protein; Rv0934c), lipoprotein antigen precursor (LpqH; 19 kDa protein; Rv3763c), and lipoarabinomannan carrier protein (LprG; 25 kDa protein; Rv3763c) as the predominant antigens.

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Work Sheet for /	Antibodies
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	General Informatio	on:						
	BEI Catalog Number: NR-51133							
	Product Description: Monoclonal Anti-LprG(Rv1411c), Clone B							
	CSU Lot Number: 17.anti-Rv1411c.B.10.16.25.mm							
	Species: Mycobacterium tuberculosis							
	Strain: H37Rv							
	Type (select one):	X M	louse Monoclo	nal				
	Type (select one): X Mouse Monoclonal Rabbit Polyclonal							
		Guinea Pig Polyclonal						
	Production Inform	ation						
	Cell Line: 3F12-E2, Lot # 17.anti-Rv1411c.B.10.16.25.Hyb SOP#: AB103.3, AB104.3 Notebook/pp: Monoclonal Antibody #2 BEI, pg. 8							
	Amount of CS Harv			-				
			IIIL	Clarity: clea		Netshard (and NI/A		
	IgG Purification: N		COD# 40100	SOP#: N/A		Notebook/pp: N/A	D.51	
	Ig isotype: IgG <sub>2b1</sub>		SOP#: AB106	.1	NOTEDOOK	/pp: Monoclonal Antibody #2	BEI, pg. 24	
	OC Informations							
	QC Information:							
	<ul> <li>Tested Against: Tx114, 2 ug (WB), 5 ug (ELISA) SOP#: AB102.1</li> <li>TX114 is a fraction enriched with lipoproteins such as Psts1 (38kDa, Rv0934c), LprG (25kDa, Rv1411c), ar LpqH (19kDa, Rv3763c). (Wolfe et al, 2010. JPR)</li> <li>Notebook/pp: Monoclonal Antibody #2 BEI, pg. 11 (WB), pg. 14 (ELISA)</li> <li>Tested by: Western blot: X Titer: 1:200</li> </ul>							
	CPCTs. CPCTs.	<u> </u>	Titer:	1:10				
	Special Instructions	3: N/A						
	QC Western blot:							
	1:50 1:1	1:	150 1:2	200				
25	A	A						
kDa 🔶		-						

\*Aliquot Information: \_\_\_\_\_40\_x 1 mL aliquots (BEI), 12 x 1 mL aliquots, 1 x 0.5 mL aliquot

\*Vial information indicates vials made at the time of QC. Bulk vials may be broken down as needed.

2/20/18 (date) a a (Research Associate)

(') 2/22/18 1X (Laboratory Supervisor)

(date)