

Monoclonal Anti-*Mycobacterium tuberculosis* Ag85 Complex (FbpA/FbpB/FbpC; Genes Rv3804c, Rv1886c, Rv0129c), P4B3G2 (produced *in vitro*)

Catalog No. NR-50572

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

Product Description:

Antibody Class: IgG1k

Antibody Designation: P4B3G2

Monoclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv antigen 85 (Ag85) complex (fibronectin-binding proteins FbpA/FbpB/FbpC) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes.

Lot¹: 70010477

Manufacturing Date: 22MAY2018

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1k
Agilent Protein 230 Analysis Average Purity	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 98.2% pure
Concentration by Spectrophotometer at OD₂₈₀	≥ 1.0 mg per mL	1.1 mg per mL
Functional Activity by Western Blot Antigen 85 Complex (BEI Resources NR-14855) Cytosol Fraction (BEI Resources NR-14835)	Reactive Non-reactive	Reactive (Figure 2) Non-reactive (Figure 2)
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Mouse monoclonal antibody was purified using protein G affinity chromatography from supernatants obtained from mouse hybridoma P4B3G2 adapted to serum-free media.

Figure 1: Agilent® Protein 230 Analysis

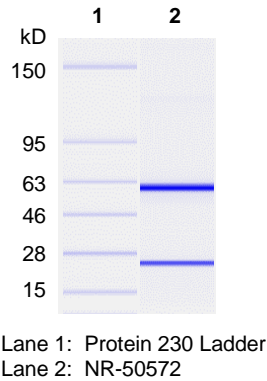
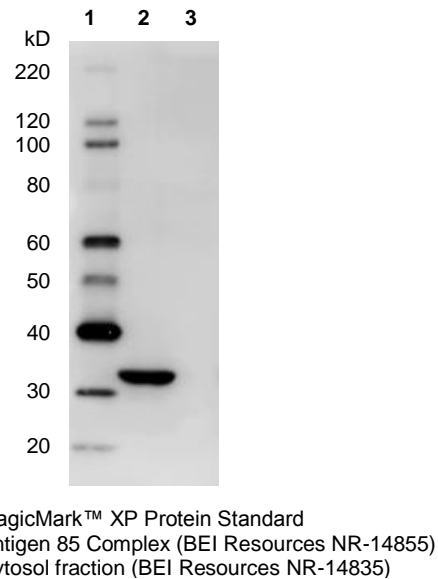


Figure 2: Functional Activity by Western Blot



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28 AUG 2018

Program Manager or designee, ATCC Federal Solutions

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