

Monoclonal Anti-*Mycobacterium tuberculosis* Mpt64 (Gene Rv1980c), Clone B (produced *in vitro*)

Catalog No. NR-59784

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

Product Description:

Antibody Class: IgG1

Antibody Designation: B

Monoclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv immunogenic protein (Mpt64) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes. Mouse monoclonal antibody was purified using protein G affinity chromatography from supernatant obtained from mouse hybridoma clone B adapted to serum-free media.

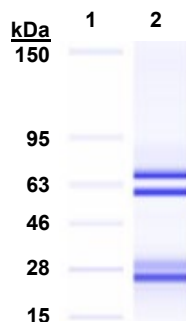
Lot: 70067716

Manufacturing Date: 24JUN2024

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1	IgG _{1K}
Agilent® Protein 230 Analysis ¹ Average Purity	Correct molecular weight (MW) for heavy and light chains Report purity	Correct molecular weight (MW) for heavy and light chains (Figure 1) 99.1% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg/mL	1 mg/mL
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Due to the presence of two glycoforms, each with different glycosylation patterns, two protein bands were observed in both heavy and light chains.

Figure 1: Agilent® Protein 230 Analysis



Lane 1: Agilent® Protein 230 Ladder
Lane 2: NR-59784

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Technical Manager or designee, ATCC Federal Solutions

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