

Monoclonal Anti-*Mycobacterium tuberculosis* GroEL2 (Gene Rv0440), Clone CS-44 (produced *in vitro*)

Catalog No. NR-13813

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

Product Description:

Antibody Designation: CS-44

Monoclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv GroEL2 protein was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes.

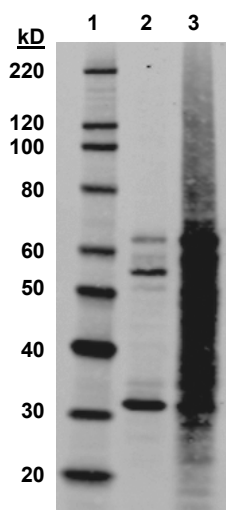
Lot: 70027642

Manufacturing Date: 21AUG2019

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG _{2bκ} , IgG _{3κ} ¹
Functional Activity by Western Blot		
Cytosol fraction (BEI Resources NR-14834)	Report results	Reactive (Figure 1)
Culture filtrate protein fraction (BEI Resources NR-14825)	Report results	Reactive (Figure 1)
Sterility	0.22 μm filter-sterilized	0.22 μm filter-sterilized

¹Clone CS-44 was created by Colorado State University (CSU) as isotype IgG_{2a}. Although BEI Resources was unable to confirm the reported isotype, Western blot assays completed at ATCC® have shown that the antibody's functional activity is consistent with the results previously provided by CSU.

Figure 1: Functional Activity by Western Blot



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: Culture filtrate protein fraction (BEI Resources NR-14825)
 Lane 3: Cytosol fraction (BEI Resources NR-14834)

/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

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