

Anti-LAM [BJRbL03] Bulk size M Ab03594-1.29-BS

This is a Fab fragment with a his-tag.

This chimeric mouse antibody was made using the variable domain sequences of the original Rabbit IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse Fab fragment, His-Tagged, Kappa

Clone Number: BJRbL03

Alternative Name(s) of Target: Lipoarabinomannan; Mycobacterium cell wall polysaccharide

UniProt Accession Number of Target Protein:

Published Application(s): functional assay, ELISA, FC

Published Species Reactivity: Mycobacterium tuberculosis

Immunogen: This antibody was generated by immunizing a rabbit with Mycobacterium tuberculosis H37Rv cell wall.

Specificity: This antibody is specific for the LAM protein of *Mycobacterium tuberculosis* but shows cross-reactivity with other *Mycobacterium* species. *M. tuberculosis* causes the disease tuberculosis.

Application Notes: The ability of the rabbit version of this antibody to bind LAM was determined using ELISA on LAM. Furthermore, the affinity of this antibody to LAM was determined using a ForteBio Octe machine. Finally, the ability of this antibody to distinguish isolates of *M. tuberculosis* (MTB), *M. avium-intracellulare* (MAI), *M. abscessus*, and *M. fortuitum-abscessus* (MA-MF) was assessed using flow cytometry; it bound all bacteria (Yan et al., 2021; PMID: 32146163). This antibody was used as a capture antibody in a sandwich ELISA (Yan et al., 2023; PMID: 37764103).

Antibody First Published in: Yan et al. Generation of mycobacterial lipoarabinomannan-specific monoclonal antibodies and their ability to identify mycobacterium isolates. J Microbiol Immunol Infect. 2021 Jun;54(3):437-446. [PMID:32146163](#)

Note on publication: Novel rabbit monoclonal antibodies (mAbs) against LAM for immunodetection purposes were developed.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In:

PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.