

## 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.