

Anti-LPS [M18F] Standard Size Ab03072-1.1

This full-length reformatted mouse antibody was made using the variable domain sequences of the original Mouse scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG1, Lambda

Clone Number: M18F

Alternative Name(s) of Target: Lipopolysaccharide; Burkholderia spp; Burkholderia mallei; BM; glanders

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Burkholderia mallei

Immunogen: The original antibody was generated by immunizing mice with various antigen preparations of B. mallei (American Type Culture Collection [ATCC] 23344). Later on phage display technique was used to generate scFv version of this antibody.

Specificity: This antibody binds surface lipopolysaccharides of Burkholderia mallei. B. mallei (BM), a host-adapted pathogen that does not normally persist in nature, causes glanders in horse. Some studies indicated that BM is highly infectious in humans by aerosol route.

Application Notes: This antibody can be used for the detection of Burkholderia mallei lipopolysaccharide in a sample using ELISA (PMID: 21172353)

Antibody First Published in: Kim et al. Construction and molecular characterization of mouse single-chain variable fragment antibodies against Burkholderia mallei and Burkholderia pseudomallei. J Immunol Methods. 2011 Feb 28;365(1-2):101-9. [PMID:21172353](#)

Note on publication: Describes the molecular characterization of scFv antibodies against Burkholderia mallei and Burkholderia pseudomallei generated using scFv phage display technology.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

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

procedures for humans or animals.