

Anti-MPT32 [13B12] Standard Size Ab03887-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

Isotype and Format: Mouse IgM, Kappa

Clone Number: 13B12

Alternative Name(s) of Target: MTB MPT32; MPT-32; FAP-B; Rv1860; apa; Alanine and proline-rich secreted protein Apa; 45 kDa glycoprotein; 45/47 kDa antigen; Antigen MPT-32; Fibronectin attachment protein; Immunogenic protein MPT32; modD; MTCY359.13

UniProt Accession Number of Target Protein: P9WIR7

Published Application(s): WB, ELISA

Published Species Reactivity: Mycobacterium tuberculosis

Immunogen: The original antibody was generated by immunizing mice with recombinant Mycobacterium tuberculosis MPT32 protein.

Specificity: This antibody binds the MPT32 protein of Mycobacterium tuberculosis (MTB). MPT32 is a protein encoded by the Mtb Rv1980 gene, is one of the important secretory protein of the pathogenic bacteria, which is a candidate protein for the diagnosis of MTB infections. MPT32 has high immunogenicity and serves as a potent antigen in animals immunized with live bacteria, it induces a strong delayed-type hypersensitivity (DTH) in immunized animals. It mostly elicits a Th1 type of T-cell response in healthy humans; induces IFN-gamma production from CD4+ and CD8+ cells.

Application Notes: The binding characterization of this antibody towards Mycobacterium tuberculosis MPT32 protein was done using ELISA. This antibody can also recognize MTP32 protein from tuberculosis patient samples in a western blot (CN114591427).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

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.