

## Anti-MPT32 [13B12] Bulk Size Ab03887-21.0-BT

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:** 500 µg Purified antibody in bulk size.

**Purification:** Affinity Purified using a recombinant lectin column

**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:**

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.