

## Ag85 Mycobacterium Antibody

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 250441

**Unit:** 0.2 mg

**Description:**

Mycobacterium tuberculosis antigen 85 is a complex of three related gene products of 30-31 kDa, Ag85A, B and C. All three proteins show fibronectin binding properties and act as mycolyltransferases involved in the final stages of mycobacterial cell wall assembly. This antibody is specific for Mycobacterium mycolyltransferase and reacts with M. tuberculosis Ag85C and M. smegmatis Ag85 homolog proteins. There is no crossreactivity with antigens from Listeria monocytogenes or Escherichia coli.

**Isotype:** Mouse IgG1

**Applications:** E, WB

**Species Reactivity:** Bact

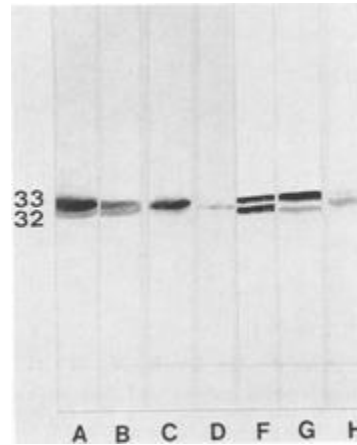
**Format:** Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

**Alternate Names:** 6 kDa early secretory antigenic target; Antigen 85; Ag85

**Accession No.:** P0A564

**Antigen:** Bacterial press extract from Mycobacterium tuberculosis H37Rv

**Application Notes:** Product Cat. No. 250441 reacts strongly in ELISA with M. tuberculosis cell culture filtrate or whole cells directly coated onto the microtiter wells. Product Cat. No. 250441 reacts strongly in western blot with Ag85C and weakly with Ag85A and Ag85B. The epitope is not recognized in purified protein derivatives (PPD), e.g. culture filtrate, heat treated and precipitated with TCA. E: 1:400; WB: 1:100



**The Ag85 Mycobacterium Antibody (Cat. No. 250441) is used in Western blot with concentrated culture filtrates (CCF) from M. tuberculosis H37Rv (A), M. tuberculosis I95 (B), M. bovis BCG, M. avium (D), M. kansasii (F), M. marinum (G), and M. fortuitum (H).**

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

**Product Citations:** [1] Peake P et al. 1993. Infect Immun. 61(11):4828-4834. PMID# 8406884. [2] Fife T et al. 1991. Infect Immun. 59(3):800-807. PMID# 1900061. [3] Worsae A et al. 1988. J Clin Microbiol. 26(12):2608-2614. PMID# 2466047. [4] Andersen A et al. 1986. J Clin Microbiol. 23(3):446-451. PMID# 2420818.

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