
ESAT-6 Mycobacterium (11G4) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250322

Unit: 0.2 mg

Description:

ESAT-6 (6-kDa early secretory antigenic target) from *Mycobacterium tuberculosis* H37Rv (ATCC 27294) is a secreted tubercular protein that forms a dominant target for cell-mediated immunity in the early phase of infection. The deduced amino acid sequence indicates a molecular mass of 10 kDa. It is present in *M. tuberculosis*, virulent strains of *M. bovis*, and in *M. flavescens*, *M. kansasii*, *M. marinum*, and *M. szulgai*, but not in avirulent *M. bovis* BCG substrains. This antibody reacts with ESAT-6 in immunoblotting after SDS-PAGE of short-term culture filtrates of *M. tuberculosis* and virulent strains of *M. bovis*. The antibody cross-reacts with MPB64 (26 kDa) from certain BCG substrains, with the A, B, and C components of the antigen 85 complex and with MPT51.

Isotype: Mouse IgG1/k

Applications: E, WB

Species Reactivity: *M. Tuberculosis*, 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

Accession No.: P0A564

Antigen: Purified protein derivative (PPD) of tuberculin from *M. tuberculosis* conjugated with thimerosal N-hydroxysuccinimide ester and adsorbed to aluminum hydroxide gel (4).

Application Notes: Product Cat. No. 250322 reacts with PPD, culture filtrate, cytosol and cell wall preparations from *M. tuberculosis*. E: 1:3,200; WB: 1:500

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

For research use only, not for diagnostic or therapeutic procedures.