



Mycobacterium tuberculosis ESAT6 (6kD early secretory antigen of T cells) discontinued

Catalog number

M9699-58C

Supplier

United States Biological

The ESAT-6 antigen from *Mycobacterium tuberculosis* is a dominant target for cell-mediated immunity in the early phase of tuberculosis (TB) in TB patients as well as in various animal models.

Applications

Suitable for use in ELISA. Other applications have not been tested.

Recommended Dilutions

Optimal dilutions to be determined by the researcher.

Hybridoma

Sp2/0 myeloma cells with spleen cells from Balb/c mice.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Recombinant protein corresponding to ESAT6 M. tuberculosis H37RV

Formulation

Supplied as a liquid in PBS, pH 7.4, 0.09% sodium azide.

Purity

Purified by Protein G chromatography from ascites. >95% pure.

Specificity

Recognizes the ESAT6 antigen of *Mycobacterium tuberculosis*.

Product Type

Mab

Isotype

IgG1

Grade

Affinity Purified

Applications



E

Storage

-20°C

Reference

1. Sorensen AL, et al., (1995) Purification and characterization of a low-molecular-mass T-cell antigen secreted by Mycobacterium tuberculosis. Infect Immun 63:1710-17. 2. Ravn P, et al., (1999) Human T cell responses to the ESAT-6 antigen from Mycobacterium tuberculosis. J Infect Dis 179:637-645. 3. Klausen et al., (1994) Characterization of purified protein derivative of tuberculin by use of monoclonal antibodies: isolation of a delayed-type hypersensitivity reactive component from M. tuberculosis culture filtrate. Scand J Immunol 40:345-9. 4. Harboe M, et al., (1998) B-Cell epitopes and quantification of the ESAT-6 protein of Mycobacterium tuberculosis. Infect Immun 66:717-23. 5. Harboe M, et al., (1996) Evidence for occurrence of the ESAT-6 protein in Mycobacterium tuberculosis and virulent Mycobacterium bovis and for its absence in Mycobacterium bovis BCG. Infect Immun 64:16-22.