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Certificate of Analysis and Data Sheet

Recombinant Mycobacterium tuberculosis major Secretory Protein Antigen 85B

Catalog No.
228-10030

Source:
Escherichia Coli.

Synonyms

Antigen 85-B, 85B, Extracellular alpha-antigen, Antigen 85 complex B, Ag85B, Mycolyl transferase 85B, EC 2.3.1.-, Fibronectin-binding protein B, 30 kDa extracellular protein, fbpB, A85B, Major Secretory Protein Antigen 85B.

Introduction

Antigen 85B Mycobacterium Tuberculosis-is the most abundant protein exposed by M. Tuberculosis, as well as a potent immunoprotective antigen and a leading drug target. Ag85 induces strong T-cell proliferation and IFN-g secretion in most healthy individuals exposed to M. tuberculosis, in BCG-vaccinated mice and humans, whereas the antibody against Ag85 are more prevalent in active tuberculosis patients with decreased cellular immune response.

Description

Ag85B Recombinant His-Tag fusion protein produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 30 kDa.

Physical Appearance

Sterile Filtered lyophilized powder.

Formulation

The protein was lyophilized with no additives.

Solubility

It is recommended to reconstitute the lyophilized Antigen-85B in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Stability

Ag85B although stable room temperature for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**