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Ag85B

Mycobacterium Tuberculosis major secretory protein Antigen 85B Recombinant RCP0023

Product Overview

Name	Ag85B
Description	
Mycobacterium Tuberculosis major secretory protein Antigen 85B Recombinant	
Accession (Primary)	P0C5B9
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered and lyophilized, though might appear as a solution as a result of the glycerol content.	
Formulation	
Lyophilized with no additives.	
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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHHFSRPGLPVEYLQVPSPSMGRDIKVQFQSGGNNSPAVYLLDGLRAQ DDYNGWDINTPAFEWYYQSGLSIVMPVGGQSSFYSDWYSPACGKAGCQTYKWETF LTSELPQWLSANRAVKPTGSAAIGLSMAGSSAMILAAYHPQQFIYAGSLSALLDP SQGMGPSLIGLAMGDAGGYKAADMWGPSSDPAWERNDPTQQIPKLVANNTRLWVY	

CGNGTPNELGGANIPAEFLENFVRSSNLKFQDAYNAAGGHNAVFNFPPNGTHSWE YWGAQLNAMKGDLQSSLGAG.

Solubility

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

Precautions

Ag85B is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P0C5B9)