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[Primary Antibody]

Rabbit Anti-fbpB antibody

Catalog Number: SL6460R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	fbpB
Immunogen:	KLH conjugated synthetic peptide derived from Mycobacterium tuberculosis Ag85B: 115-154/325
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Mycobacterium tuberculosis)
Predicted MW.:	31kDa
Subcellular Location:	Secretory protein
Background:	Antigen 85B is the most abundant protein expressed by Mycobacterium tuberculosis (about one quarter). It is a myocolyc transferase in the myc pathway and catalyses - like Ag85A and Ag85C - the transfer of the fatty acid mycolate from one trehalose monomycolate to another, resulting in trehalose dimycolate and free trehalose and helping build the cell wall. **Function:** Proteins of the antigen 85 complex are responsible for the high affinity of mycobacteria to fibronectin. Possesses a mycolyltransferase activity required for the biogenesis of trehalose dimycolate (cord factor), a dominant structure necessary for maintaining cell wall integrity. **Subcellular Location:** Secreted. **Similarity:** Belongs to the mycobacterial A85 antigen family. **SWISS:** P9WQP1 **Gene ID:** 885785

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.