



Rabbit Anti-Mycobacterium tuberculosis Ag85B antibody

SL6460R

Product Name:	Mycobacterium tuberculosis Ag85B
Chinese Name:	结核分枝杆菌Ag85B抗体
Alias:	M.tuberculosis; Antigen 85 complex B; 30 kDa extracellular protein; Mycobacterium; Mycolyl transferase 85B; A85B_MYCTU; Antigen 85-B; 30 kDa extracellular protein; 85B; Ag85B; Extracellular alpha-antigen; Fibronectin-binding protein B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mycobacteriumtuberculosis
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Mycobacterium tuberculosis Antigen 85 complex B:115-154/325
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Antigen 85B is the most abundant protein expressed by Mycobacterium tuberculosis (about one quarter). It is a mycolyc 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:

N/A

Gene ID:

N/A

Important Note:

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

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