



M. Tuberculosis 85A Antigen [His] (Hi-5 cells) (DAGA-192)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The maintenance of the highly hydrophobic cell wall is central to the survival of Mycobacterium tuberculosis within its host environment. The antigen 85 proteins (85A, 85B, and 85C) of M. tuberculosis help maintain the integrity of the cell wall 1) by catalyzing the transfer of mycolic acids to the cell wall arabinogalactan and 2) through the synthesis of trehalose dimycolate (cord factor). Additionally, these secreted proteins allow for rapid invasion of alveolar macrophages via direct interactions between the host immune system and the invading bacillus.
Antigen Description	Mycobacterium tuberculosis is an obligate pathogenic bacterial species in the family Mycobacteriaceae and the causative agent of tuberculosis First discovered in 1903 by Robert Koch, M. tuberculosis has an unusual, waxy coating on its cell surface (primar
Purity	> 90% pure
Conjugate	His
Molecular Weight	32.8 kDa
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	50 µg
Buffer	Supplied in liquid form in 20mM Tris-HCl buffer, pH 8.0, containing, 10% glycerol. - See more at: https://www.fitzgerald-fii.com/antigen-85a-protein-his-tag-80r-2231.html#sthash.5FHKT6E.dpuf
Preservative	None
Storage	Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage. Avoid repeated freeze/thaw cycles. - See more at: https://www.fitzgerald-fii.com/antigen-85a-protein-his-tag-80r-2231.html#sthash.5FHKT6E.dpuf

BACKGROUND

Keywords

M. Tuberculosis 63 kDa protein;Mycobacterium tuberculosis 104 kDa protein;Mycobacterium tuberculosis;M. tuberculosis;MTB;TB antigen
