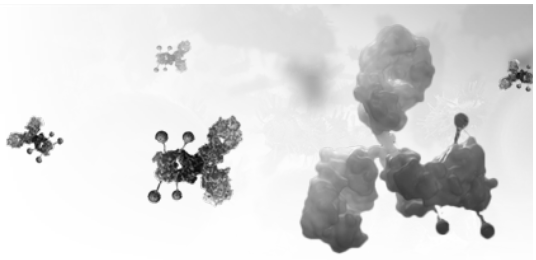

Recombinant M. Tuberculosis Mpt64 Antigen (a.a.1-232) (DAG-WT1162)

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

PRODUCT INFORMATION

Purity	> 95 % as determined by SDS-PAGE
Conjugate	His
Applications	WB, ELISA
Molecular Weight	23.63 kDa
Format	Lyophilized
Size	100 µg, 200 µg, 1 mg
Buffer	Lyophilized from sterile PBS with 3-8% mannitol
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction

Mycobacterium tuberculosis (M. tb) is a species of pathogenic bacteria in the family Mycobacteriaceae and the causative agent of tuberculosis. First discovered in 1882 by Robert Koch, M. tuberculosis has an unusual, waxy coating on its cell surface primarily due to the presence of mycolic acid. This coating makes the cells impervious to Gram staining, and as a result, M. tuberculosis can appear weakly Gram-positive. The physiology of M. tuberculosis is highly aerobic and requires high levels of oxygen. Primarily a pathogen of the mammalian respiratory system, it infects the lungs. The most frequently used diagnostic methods for tuberculosis are the tuberculin skin test, acid-fast stain, culture, and polymerase chain reaction.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Keywords Mycobacterium tuberculosis; TB; Mtb64; Rv1980c

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