



Recombinant M. tuberculosis 38kD antigen [His] (DAG-WT1188)

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

PRODUCT INFORMATION

Purity	> 90% as determined by SDS-PAGE
Conjugate	His
Applications	ELISA, LF, WB
Format	Liquid or Lyophilized powder
Size	200 µg, 1 mg
Buffer	PBS, pH7.4, 3-8% Mannitol
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction	Mycobacterium tuberculosis (MTB) is a pathogenic bacterial species in the family Mycobacteriaceae and the causative agent of most cases of tuberculosis (TB). First discovered in 1882 by Robert Koch, M. tuberculosis has an unusual, waxy coating on its cell surface (primarily mycolic acid), which makes the cells impervious to Gram staining. Acid-fast detection techniques are used instead. The physiology of M. tuberculosis is highly aerobic and requires high levels of oxygen. Primarily a pathogen of the mammalian respiratory system, MTB infects the lungs. The most frequently used diagnostic methods for TB are the tuberculin skin test, acid-fast stain, and chest radiographs.
Keywords	Mycobacterium tuberculosis; Mtb; M. tb; 38kDa