



Recombinant *M. tuberculosis* 16kDa (HspX) antigen [His] (DAG-T2449)

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
Molecular Weight	17.3 kDa
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	<p><i>Mycobacterium tuberculosis</i> (MTB) is a pathogenic bacterial species in the family <i>Mycobacteriaceae</i> and the causative agent of most cases of tuberculosis (TB). First discovered in 1882 by Robert Koch, <i>M. tuberculosis</i> 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 <i>M. tuberculosis</i> 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.</p>
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Keywords

Mycobacterium tuberculosis; Mtb; M. tb; 16kDa antigen; HspX
