



Magic™ Mouse Anti-M. tuberculosis TB16.3 Monoclonal antibody, clone 427 (DMAB- CS24013)

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

PRODUCT INFORMATION

Specificity	M. tuberculosis TB16.3
Target	M. tuberculosis TB16.3
Isotype	IgG
Source/Host	Mouse
Species Reactivity	M. tuberculosis
Clone	427
Conjugate	unconjugated
Applications	ELISA (Cap), LFIA
Format	Liquid
Size	1 mg
Buffer	10mM CB PH9.5
Preservative	None
Storage	Short-term: store at 4°C. Long-term: store at -20°C or below in suitable aliquots.

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.

Keywords

Mycobacterium tuberculosis; M. tuberculosis; Mtb; M. tuberculosis TB16.3; TB16.3; Rv2185c