



Magic™ Mouse Anti-M. tuberculosis Mtb8 Monoclonal antibody, clone 1118 (DMAB- CS24011)

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

PRODUCT INFORMATION

Specificity	M. tuberculosis Mtb8
Target	M. tuberculosis Mtb8
Isotype	IgG
Source/Host	Mouse
Species Reactivity	M. tuberculosis
Clone	1118
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 Mtb8; Mtb8