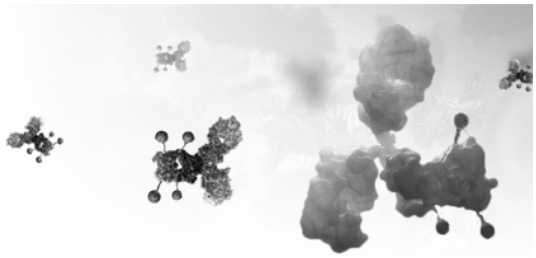

Mouse Anti-M. tuberculosis 38kDa Monoclonal antibody, clone ITM2 (DMAB3969)

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

PRODUCT INFORMATION

Product Overview	Monoclonal Antibodyto Mycobacterium tuberculosis, 38kDa
Specificity	Detectsnative and recombinant M. tuberculosis 38kDa antigen
Target	M. tuberculosis
Immunogen	Recombinant M.tuberculosis 38 kDa
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	M. tuberculosis
Clone	ITM2
Affinity Constant	Not determined
Purification	95% pure(SDS-PAGE). Protein G chromatography
Conjugate	Unconjugated
Applications	Suitable for use inELISA and Western blot. Each laboratory should determine an optimum workingtiter for use in its particular application. Other applications have not beentested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	3.2mg/ml(OD280nm, E 0.1%= 1.4)
Size	1 mg

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Buffer	PBS, pH 7.2
Preservative	0.1% Sodium Azide
Storage	Storeat 2-8°C

BACKGROUND

Introduction	Mycobacteriumtuberculosis (MTB) is a pathogenic bacterial species in the genusMycobacterium and the causative agent of most cases of tuberculosis. Firstdiscovered in 1882 by Robert Koch, M. tuberculosis has an unusual, waxycoating on the cell surface (primarily mycolic acid), which makes the cellsimpervious to Gram staining so acid-fast detection techniques are usedinstead. The physiology of M. tuberculosis is highly aerobic and requireshigh levels of oxygen. Primarily a pathogen of the mammalian respiratorysystem, MTB infects the lungs. The most frequently used diagnostic methodsfor TB are the tuberculin skin test, acid-fast stain, and chest radiographs.
Keywords	Mycobacterium tuberculosis 38kDa; M tuberculosis; Mycobacterium tuberculosis; MTB; Bacteria; Actinobacteria; Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium; M. tuberculosis; Mycobacterium tuberculosis , 38kDa; M. tuberculosis 38kDa

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