

Datasheet for ABIN316622
anti-M. tuberculosis antibody



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1 Image

Overview

Quantity:	0.2 mg
Target:	M. tuberculosis
Reactivity:	Mycobacterium tuberculosis
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This M. tuberculosis antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant 38 kDa antigen from Mycobacterium tuberculosis
Clone:	BGN-1209-3875
Isotype:	IgG2b
Characteristics:	Synonyms: M. tuberculosis, TB
Purification:	Purified IgG prepared by affinity chromatography on Protein A

Target Details

Target:	M. tuberculosis
Abstract:	Mycobacterium Tuberculosis Products
Target Type:	Bacteria
Background:	Mycobacterium tuberculosis is the most common cause of tuberculosis. Primary infection

Target Details

begins with inhalation of 1 to 10 aerosolised bacilli. The pathogenicity of the organism is determined by its ability to escape host immune responses as well as eliciting delayed hypersensitivity. Alveolar macrophages engulf the invading cells but are unable to mount an effective defense. Several virulence factors are responsible for this apparent failure, most notably in the mycobacterial cell wall are the cord factor, lipoarabinomannan, and the 65 kd heat shock protein or HSP65. The emergence of new strains of resistant Mycobacterium tuberculosis has created new interest in clinical diagnosis. Studies have shown immunohistochemical techniques to be superior to conventional special stains. Thus the demonstration of mycobacterial antigens are not only useful in establishing mycobacterial aetiology, but can also be used as an alternative method to the conventional Ziehl-Neelsen method. Synonyms: M. tuberculosis, TB

Molecular Weight: 38 kDa antigen

Application Details

Application Notes: ELISA (1/15000-1/30000). Western Blot (1/100-1/1000).
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.09 % Sodium Azide as preservative.

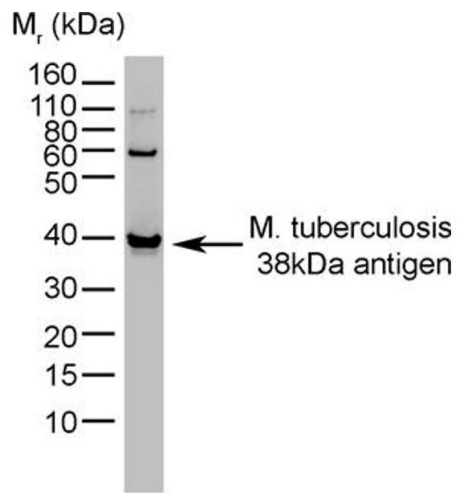
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Expiry Date: 12 months



Western Blotting

Image 1.