

Product datasheet for **AM05413PU-N**

Mycobacterium tuberculosis (38 kDa antigen) Mouse Monoclonal Antibody [Clone ID: BGN/1209/3875]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BGN/1209/3875
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot.
Reactivity:	Mycobacterium tuberculosis
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant 38 kDa antigen from <i>Mycobacterium tuberculosis</i>
Specificity:	This antibody recognises the 38 kDa antigen from <i>Mycobacterium tuberculosis</i> , a peptide believed to be involved in the regulation of proteins necessary for virulence.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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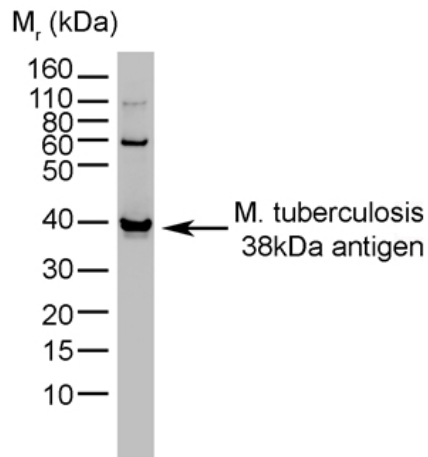
Background:

Mycobacterium tuberculosis is the most common cause of tuberculosis. Primary infection 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

Product images:

Recombinant Mycobacterium tuberculosis 38kDa antigen detected with Mouse anti Mycobacterium tuberculosis 38kDa antigen (AM05413PU-N)