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AM60035PU-N Monoclonal Antibody to Mycobacterium tuberculosis (HspX, alpha-crystallin) - Purified

Alternate names:	M. tuberculosis, TB
Quantity:	1 mg
Concentration:	0.1 mg/ml (OD280 nm, E0.1% = 1.3)
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 kDa heat shock protein or HSP65.
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	BDI557
Immunogen:	Purified PPD
Format:	**State:** Liquid purified Ig fraction **Purification:** Protein A chromatography (>90% pure) **Buffer System:** 0.01 M PBS, pH 7.2 containing 0.09% Sodium azide as preservative; without stabilizing proteins
Applications:	Suitable for Western blot and ELISA Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes the 16 kDa antigen (HspX, alpha-crystallin) of M. tuberculosis and M. bovis.
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Centrifuge bevor opening to ensure complete recovery of vial content. Avoid repeated freezing and thawing. Shelf life: one year from despatch.