

## Product datasheet for **AM60034PU-N**

### **Mycobacterium tuberculosis (HspX, alpha-crystallin) Mouse Monoclonal Antibody [Clone ID: BDI567]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	BDI567
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot.</b>
Reactivity:	Bacteria
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified PPD
Specificity:	This antibody recognizes the 16 kDa antigen (HspX, alpha-crystallin) of <i>M. tuberculosis</i> and <i>M. bovis</i> .
Formulation:	0.01M PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction (> 90% pure) Stabilizer: None Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. 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 kDa heat shock protein or HSP65.

**Synonyms:**

M. tuberculosis, TB