

Datasheet: NB-47-05537

<b>Description:</b>	RABBIT ANTI MYCOBACTERIUM TUBERCULOSIS
<b>Specificity:</b>	MYCOBACTERIUM TUBERCULOSIS
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## Product Details

**Applications** This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.neo-biotech.com](http://www.neo-biotech.com).

	Yes
Flow Cytometry	
Immunohistology - Frozen	▪
Immunohistology - Paraffin	▪
ELISA	
Western Blotting	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	Purified protein derivative (PPD) from <i>M. tuberculosis</i>
<b>RRID</b>	AB_620694

**Specificity** **Rabbit anti *Mycobacterium tuberculosis* polyclonal antibody** recognizes PPD from *Mycobacterium tuberculosis*. Rabbit anti *M. tuberculosis* has not been cross absorbed and may react with related micro-organisms, however the antibody is non-reactive with *E.coli* K12, *Salmonella typhimurium*, *Pseudomonas aeruginosa*, *Streptococcus* (group B), *Candida albicans* and *Neisseria meningitidis*.

- References**
1. Ferrer, N.L. *et al.* (2009) Intracellular replication of attenuated *Mycobacterium tuberculosis* phoP mutant in the absence of host cell cytotoxicity. [Microbes Infect. 11: 115-22.](#)
  2. Sanchez, J. *et al.* (2011) Microscopical and Immunological Features of Tuberculoid Granulomata and Cavitory Pulmonary Tuberculosis in Naturally Infected Goats. [J Comp Pathol. 145: 107-17.](#)
  3. Buendía, A.J. *et al.* (2013) Ante-mortem diagnosis of caprine tuberculosis in persistently infected herds: influence of lesion type on the sensitivity of diagnostic tests. [Res Vet Sci. 95 \(3\): 1107-13.](#)
  4. Herrtwich, L. *et al.* (2016) DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. [Cell. 167 \(5\): 1264-1280.e18.](#)
  5. BernardinSouibgui, C. *et al.* (2017) Virulence test using nematodes to prescreen *Nocardia* species capable of inducing neurodegeneration and behavioral disorders. [PeerJ. 5: e3823.](#)
  6. Eckhardt, E. *et al.* (2023) Phosphatidylinositolmannoside vaccination induces lipid-specific Th1-responses and partially protects guinea pigs from *Mycobacterium tuberculosis* challenge. [Sci Rep. 13 \(1\): 18613.](#)
  7. Root-Bernstein, R. *et al.* (2023) Clostridia and Enteroviruses as Synergistic Triggers of Type 1 Diabetes Mellitus. [Int J Mol Sci. 24 \(9\) :8336.](#)
  8. Root-Bernstein, R. *et al.* (2022) Complementary Sets of Autoantibodies Induced by SARS-CoV-2, Adenovirus and Bacterial Antigens Cross-React with Human Blood Protein Antigens in COVID-19 Coagulopathies. [Int J Mol Sci. 23 \(19\): 11500.](#)

**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

**Guarantee** 12 months from date of despatch

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: [www.neo-biotech.com](http://www.neo-biotech.com).  
10040

**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

Goat Anti Rabbit IgG (Fc) (STAR121...)

Sheep Anti Rabbit IgG (STAR35...)

Goat Anti Rabbit IgG (H/L) (STAR124...)

### **Recommended Useful Reagents**

To find a batch/lot specific datasheet for this product, please use our online search tool at: [www.neo-biotech.com](http://www.neo-biotech.com).

'M418870:230427'

**Printed on 18 Jan 2024**

---