Datasheet: OBT0947

BATCH NUMBER 145503

Description:	RABBIT ANTI MYCOBACTERIUM TUBERCULOSIS
Specificity:	MYCOBACTERIUM TUBERCULOSIS
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
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.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 4.0 mg/ml
Immunogen	Purified protein derivative (PPD) from *M. tuberculosis*
RRID	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 Cavitary 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.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/OBT0947 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Sheep Anti Rabbit IgG (STAR35...) RPE

Recommended Useful Reagents

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com
Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com
Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M369286:200529'

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