



# Anti-Mycobacterium Polyclonal antibody (DPAB1391)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts primarily against lipoarabinomannan (LAM) Cross-reacts with all mycobacterium species tested (M. bovis, M. scrofulaceum, M. kansasii, M. avium/intracellulare, M. chelonii). Demonstrates slight crossreactivity with Rhodococcus and Nocardia.
<b>Target</b>	Mycobacterium
<b>Immunogen</b>	Genus specific antigens extracted from Mycobacterium tuberculosis.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mycobacterium
<b>Purification</b>	Not applicable
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Sandwich ELISA as either capture or detection for direct detection of Mycobacterium antigens. Western blot. Not suitable for use in IFA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Neat, Liquid
<b>Concentration</b>	Not determined
<b>Size</b>	1 ml
<b>Buffer</b>	Not applicable

<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Short-term (up to 30 days) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	<p>Mycobacterium is a genus of actinobacteria, given its own family, the Mycobacteriaceae. It includes many pathogens known to cause serious diseases in mammals, including tuberculosis and leprosy. Mycobacteria can be classified into several major groups for purpose of diagnosis and treatment: M. tuberculosis complex which can cause tuberculosis: M. tuberculosis, M. bovis, M. africanum, and M. micoti. M. leprae which causes Hansen's disease or leprosy. Nontuberculous mycobacteria (NTM) are all the other mycobacteria which can cause pulmonary disease resembling tuberculosis, lymphadenitis, skin disease, or disseminated disease.</p>
<b>Keywords</b>	Actinobacteria; Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium