

## Product datasheet

# Anti-Mycobacterium L-alanine dehydrogenase antibody [WHO no. IT-46] ab51804

★★★★★ [1 Abreviews](#) [1 References](#)

### Overview

<b>Product name</b>	Anti-Mycobacterium L-alanine dehydrogenase antibody [WHO no. IT-46]
<b>Description</b>	Mouse monoclonal [WHO no. IT-46] to Mycobacterium L-alanine dehydrogenase
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mycobacterium tuberculosis
<b>Immunogen</b>	Tissue, cells or virus corresponding to Mycobacterium L-alanine dehydrogenase.
<b>Epitope</b>	Recognizes the 12 aa SAITDADFKAAG (aa 45-56) region of Ald of Mycobacterium tuberculosis.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: 2.9% Sodium chloride, 0.0268% PBS</p>
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	WHO no. IT-46
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab51804 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use at an assay dependent dilution. Predicted molecular weight: 40 kDa.
ELISA		Use at an assay dependent dilution.

## Target

### Relevance

Mycobacterium L-alanine dehydrogenase (ald) belongs to the AlaDH/PNT family and is a 40 kDa secreted protein from short term culture of Mycobacterium tuberculosis; which may play a role in cell wall synthesis as L-alanine is an important constituent of the peptidoglycan layer.

### Cellular localization

Secreted

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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