

Product datasheet

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

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

Overview

Product name	Anti-Mycobacterium L-alanine dehydrogenase antibody [WHO no. IT-46]
Description	Mouse monoclonal [WHO no. IT-46] to Mycobacterium L-alanine dehydrogenase
Host species	Mouse
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mycobacterium tuberculosis
Immunogen	Tissue, cells or virus corresponding to Mycobacterium L-alanine dehydrogenase.
Epitope	Recognizes the 12 aa SAITDADFKAAG (aa 45-56) region of Ald of Mycobacterium tuberculosis.
General notes	<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&As</p>

Properties

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors