Product datasheet

Anti-Mycobacterium tuberculosis Ag85B antibody
ab43019

3 Abreviews 10 References 2 Images

Overview

Product name
Anti-Mycobacterium tuberculosis Ag85B antibody

Description
Rabbit polyclonal to Mycobacterium tuberculosis Ag85B

Host species
Rabbit

Specificity
This antibody is specific for the Ag85B protein in sera, plasma or cell culture supernatant.

Tested applications
Suitable for: IHC-P, WB, ELISA

Species reactivity
Reacts with: Other species

Immunogen
Recombinant full length protein (Mycobacterium tuberculosis)

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer
Constituent: 0.05% Glycerol

Purity
Protein A purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab43019 in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>★★★★☆☆☆☆</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>ELISA</td>
<td>★★★★☆☆☆☆</td>
<td>1/5000 - 1/10000.</td>
</tr>
</tbody>
</table>
**Target**

**Relevance**
Antigen 85B is the most abundant protein expressed by Mycobacterium tuberculosis (about one quarter). It is a mycolyl transferase in the myc pathway and catalyses - like Ag85A and Ag85C - the transfer of the fatty acid mycolate from one trehalose monomycolate to another, resulting in trehalose dimycolate and free trehalose and helping build the cell wall.

**Images**

**Western blot - Anti-Mycobacterium tuberculosis Ag85B antibody (ab43019)**

*All lanes*: Anti-Mycobacterium tuberculosis Ag85B antibody (ab43019) at 1/5000 dilution

*All lanes*: E coli, expressing his-tagged Ag85b

*Secondary*

*Lane 1*: HRP conjugated goat anti-rabbit IgG
*Lane 2*: HRP conjugated goat anti-rat IgG

*Predicted band size*: 34 kDa
*Observed band size*: 34 kDa
*Additional bands at*: 28 kDa (possible non-specific binding), 28 kDa (possible degradation product)

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mycobacterium tuberculosis Ag85B antibody (ab43019)**

*ab17976* staining Mycobacterium tuberculosis Ag85B in Human lung tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde. Samples were incubated with primary antibody (1/100 in antibody diluent) for 1 hour at 25°C. A HRP-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody.

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