Product datasheet

Anti-Mycobacterium tuberculosis Ag85B antibody ab43019

★★★★★ 3 Abreviews  9 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>
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<tr>
<td>ELISA</td>
<td>★★★★★☆☆☆</td>
<td>1/5000 - 1/10000.</td>
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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**

*This image is courtesy of an anonymous Abreview*

- **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**

*This image is courtesy of an anonymous Abreview*

- **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.

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