Product datasheet

Anti-Flagellin antibody ab93713

Overview

Product name: Anti-Flagellin antibody
Description: Rabbit polyclonal to Flagellin
Host species: Rabbit
Specificity: This antibody is specific for bacterial Flagellin (FliC).
Tested applications: Suitable for: WB, ICC/IF
Species reactivity: Reacts with: Escherichia coli, Salmonella anatum, Salmonella selandia
Immunogen: Purified recombinant Flagellin made in BL21 bacteria.
Positive control: Lysates transfected with purified flagellin, E. Coli total lysate or 293T transfected with recombinant protein.

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.</td>
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<tr>
<td>Storage buffer</td>
<td>Constituent: Whole serum</td>
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<tr>
<td>Purity</td>
<td>Whole antiserum</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
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</table>

Applications

Our Abpromise guarantee covers the use of ab93713 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>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td>★★☆☆☆☆☆☆</td>
<td>1/10000 - 1/20000. Detects a band of approximately 60 kDa.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>1/100.</td>
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</table>
Flagellin (FliC) is a subunit protein that polymerizes (along with other proteins) to form the filaments of bacterial flagella. Assembly of the bacterial flagellum occurs in a precise, temporal order where the basal component (FlgE, FlgK, and FlgL) are assembled inside the bacterial membrane, followed by exportation of the filament cap protein FliD, and secretion of about 20,000 flagellin monomers (FliC) through the channel. FliC monomers are polymerized to form the tail filament. FliC monomers can function as pathogen-associated molecular patterns (PAMPs), and can be detected by host cells through surface-localized toll-like receptor 5 (TLR5) and cytosolic Nod-like receptors (NLRs).

Cellular localization
Secreted. Bacterial flagellum.

Images

All lanes: Anti-Flagellin antibody (ab93713) at 1/10000 dilution

All lanes: 293T transfected with recombinant protein

Observed band size: 60 kDa
why is the actual band size different from the predicted?

Ab93713 (1:100) staining Flagellin in bone marrow-derived macrophages infected with salmonella.

Flagellin primary antiserum followed by Alexa488 secondary (green). Actin (red) stained with AlexaFluor 594-phalloidin. Nuclei stained with DAPI.
Ab93713 (1:100) staining Flagellin in bone marrow-derived macrophages infected with salmonella.

Flagellin primary antiserum followed by Alexa488 secondary (green). Actin (red) stained with AlexaFluor 594-phalloidin. Nuclei stained with DAPI.

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