Anti-CD5 antibody [EP2952] ab75877

Overview

Product name: Anti-CD5 antibody [EP2952]
Description: Rabbit monoclonal [EP2952] to CD5
Host species: Rabbit
Tested applications: Suitable for: WB, IP, IHC-P, ICC
Unsuitable for: Flow Cyt
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide within Human CD5 aa 50-150. The exact sequence is proprietary.
Positive control: Human tonsil tissue.
General notes: Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production
For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated ‘PUR’ on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Dissociation constant ($K_D$) \(K_D = 1.70 \times 10^{-11} \text{ M}\)

Storage buffer
- pH: 7.20
- Preservative: 0.01% Sodium azide
- Constituents: 59% PBS, 40% Glycerol, 0.5% BSA

Purity
- Protein A purified

Clonality
- Monoclonal

Clone number
- EP2952

Isotype
- IgG

Applications
Our Abpromise guarantee covers the use of ab75877 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>IP</td>
<td>1/50.</td>
<td></td>
</tr>
<tr>
<td>IHC-P</td>
<td>1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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<tr>
<td>ICC</td>
<td>1/100 - 1/250.</td>
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</tbody>
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Application notes
- Is unsuitable for Flow Cyt.

Target

Function
- May act as a receptor in regulating T-cell proliferation. CD5 interacts with CD72/LYB-2.

Sequence similarities
- Contains 3 SRCR domains.

Cellular localization
- Membrane.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD5 antibody [EP2952] (ab75877)

ab75877 showing positive staining in Normal colon lymphocytes tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD5 antibody [EP2952] (ab75877)

ab75877 showing negative staining in Normal brain tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD5 antibody [EP2952] (ab75877)

ab75877 showing negative staining in Normal kidney tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD5 antibody [EP2952] (ab75877) showing negative staining in Skeletal muscle tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD5 antibody [EP2952] (ab75877) showing positive staining in Normal spleen tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

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

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