Technical Data Sheet

Purified Mouse Anti-FoxP1

Product Information

Material Number: 564213
Alternate Name: Forkhead box protein P1; hFKH1B; HSPC215; QRF1; 12CC4
Size: 50 µg
Concentration: 0.5 mg/ml
Clone: JC12
Isotype: Mouse IgG2a, \( \kappa \)
QC Testing: Mouse

Target MW: 75-85 kDa
Storage Buffer: Aqueous buffered solution containing \( \leq 0.09\% \) sodium azide.

Description

The JC12 monoclonal antibody specifically binds to Forkhead box protein P1 (FoxP1). FoxP1 belongs to subfamily P of the forkhead box (FOX) winged-helix transcription factor family. It plays a variety of roles such as regulating the formation of lymphoid, lung, brain and heart tissues. FoxP1 is critical in regulating early B cell development and is also required for maintenance of naïve T cell quiescence, and monocyte differentiation and macrophage function. Aberrant expression of FOXP1 has been linked with mucosa-associated lymphoid tissue lymphoma and diffuse-large B cell lymphoma.

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

Application

<table>
<thead>
<tr>
<th>Application</th>
<th>Routine Tested</th>
<th>Tested During Development</th>
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</thead>
<tbody>
<tr>
<td>Intracellular staining (flow cytometry)</td>
<td></td>
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<tr>
<td>Western blot</td>
<td></td>
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<tr>
<td>Immunohistochemistry-formalin (antigen retrieval required)</td>
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564213 Rev. 1
Immunohistochemistry-frozen Tested During Development

Recommended Assay Procedure:
BD Pharmingen™ Purified Mouse Anti-FoxP1 is routinely tested on mouse splenic leucocytes by intracellular flow cytometric analysis using BD Pharmingen™ Transcription Factor Buffer Set (Cat. Nos. 562725/562724) and clone G155-178 as the isotype control.

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>554126</td>
<td>Purified Mouse IgG2a, κ Isotype Control</td>
<td>0.1 mg</td>
<td>MOPC-173</td>
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<tr>
<td>550337</td>
<td>Biotin Goat Anti-Mouse Ig (Multiple Adsorption)</td>
<td>1.0 ml</td>
<td>Polyclonal</td>
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<tr>
<td>550946</td>
<td>Streptavidin HRP</td>
<td>50 ml</td>
<td>(none)</td>
</tr>
<tr>
<td>550880</td>
<td>DAB Substrate Kit</td>
<td>500 tests</td>
<td>(none)</td>
</tr>
<tr>
<td>550524</td>
<td>Retrievagen A (pH 6.0)</td>
<td>1000 ml</td>
<td>(none)</td>
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</table>

Product Notices
1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.
5. An isotype control should be used at the same concentration as the antibody of interest.

References