Technical Data Sheet

Purified Mouse Anti-Rat RT1B

Product Information

Material Number: 554926
Alternate Name: RT1-B; RT1 class II locus B
Size: 0.5 mg
Concentration: 0.5 mg/ml
Clone: OX-6
Immunogen: Ia-like Glycoproteins from Wistar Thymocytes
Isotype: Mouse (BALB/c) IgG1, κ
Reactivity: QC Testing: Rat
Tested in Development: Mouse
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The OX-6 antibody specifically recognizes non-polymorphic determinants of the Rat MHC class II antigen, I-A equivalent. RT1B is found on peripheral B lymphocytes, thymic cortical epithelial and medullary reticular cells, small intestinal villus epithelium, epidermal Langerhans cells, dendritic cells, some tissue macrophage populations, peritoneal mast cells, and a subset of thymocytes, but not on peripheral T cells, erythrocytes, or microglia. The OX-6 mAb cross-reacts with mouse I-A[k] and I-A[s] alloantigens and with a major subset of splenocytes from NOD (I-A[g7]) mice.

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>
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<tbody>
<tr>
<td>Flow cytometry</td>
<td>Routinely Tested</td>
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<tr>
<td>Immunohistochemistry-frozen</td>
<td>Tested During Development</td>
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<tr>
<td>Immunohistochemistry-formalin (antigen retrieval required)</td>
<td>Tested During Development</td>
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<tr>
<td>Immunoprecipitation</td>
<td>Reported</td>
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<tr>
<td>Immunoaffinity Chromatography</td>
<td>Reported</td>
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<tr>
<td>Blocking</td>
<td>Reported</td>
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<tr>
<td>Electron microscopy</td>
<td>Reported</td>
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Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<tbody>
<tr>
<td>557273</td>
<td>Purified Mouse IgG1, κ Isotype Control</td>
<td>0.5 mg</td>
<td>MOPC-31C</td>
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<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
<td>500 mL</td>
<td>(none)</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
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.
References


