Technical Data Sheet

FITC Mouse Anti-Rat RT1B

Product Information

Material Number: 554928  
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 and protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Application Notes

Application

Flow cytometry Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>550616</td>
<td>FITC Mouse IgG1, κ Isotype Control</td>
<td>0.25 mg</td>
<td>MOPC-31C</td>
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<td>554656</td>
<td>Stain Buffer (FBS)</td>
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<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
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<tr>
<td>562067</td>
<td>FITC Mouse Anti-Rat RT1B</td>
<td>50 μg</td>
<td>OX-6</td>
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</tbody>
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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. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.

References

