Technical Data Sheet

FITC Rat Anti-Mouse I-A/I-E

Product Information

Material Number: 553623
Size: 0.5 mg
Concentration: 0.5 mg/ml
Clone: 2G9
Immunogen: BALB/c mouse epidermal Langerhans cells
Isotype: Rat (DA) IgG2a, κ
Reactivity: QC Testing: Mouse
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The 2G9 antibody reacts with the I-Ad and I-Ed MHC class II alloantigens. It also reacts with transfectants expressing I-Eb and I-Ek and with cells from mice of the H-2p and H-2q haplotypes. This antibody is non-reactive with cells from SJL (H-2s) and NOD (H-2g7) mice. Flow cytometric analysis indicates that the 2G9 and M5/114.15.2 (Cat. No. 556999, for purified mAb) monoclonal antibodies have comparable reactivity on cells from mice with I-Ab, I-Ad, I-Aq, I-Ed, and I-Ek alloantigens.

Preparation and Storage

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.

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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>
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<tbody>
<tr>
<td>556999</td>
<td>Purified Rat Anti-Mouse I-A/I-E</td>
<td>0.5 mg</td>
<td>M5/114.15.2</td>
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<tr>
<td>553929</td>
<td>FITC Rat IgG2a, κ Isotype Control</td>
<td>0.25 mg</td>
<td>R35-95</td>
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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.

References