FITC Mouse Anti-Mouse I-E[k]

Product Information
Material Number: 562015
Size: 50 µg
Concentration: 0.5 mg/ml
Clone: 14-4-4S
Immunogen: C3H mouse skin graft and splenocytes
Isotype: Mouse (C3H.SW) IgG2a, κ
Reactivity: QC Testing: Mouse
Reported: Rat
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description
The 14-4-4S antibody reacts with the I-E[k] MHC class II alloantigen. It cross-reacts with cells from mice of the H-2[d], H-2[p], and H-2[r] haplotypes. Cells from mice of the H-2[b], H-2[f], H-2[g7], H-2[q], and H-2[s] haplotypes do not express I-E antigen. It has been reported that mAb 14-4-4S cross-reacts with the rat MHC class II antigen RT1D.

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>553456</td>
<td>FITC Mouse IgG2a, κ Isotype Control</td>
<td>0.25 mg</td>
<td>G155-178</td>
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<tr>
<td>561878</td>
<td>PE Rat Anti-Mouse CD45R/B220</td>
<td>25 µg</td>
<td>RA3-6B2</td>
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<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 ml</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.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bd biosciences.com/colors.
5. An isotype control should be used at the same concentration as the antibody of interest.

References