Technical Data Sheet

PE Mouse Anti-Mouse I-E[k]

Product Information

Material Number: 553544
Size: 0.1 mg
Concentration: 0.2 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.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed by gel filtration chromatography.

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

Application Notes

Application

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<th>Application</th>
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<tr>
<td>Flow cytometry</td>
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Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
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<tbody>
<tr>
<td>553457</td>
<td>PE Mouse IgG2a, κ Isotype Control</td>
<td>0.1 mg</td>
<td>G155-178</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to wwwbdbiosciencescom/pharmingen/protocols for technical protocols.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at wwwbdbiosciencescom/pharmingen/colors.
4. 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