Technical Data Sheet

PE Mouse Anti-Human TCR γδ

Product Information

Material Number: 555717

Alternate Name: TCRγδ; γδ TCR; TRGδ, TRDδ; TCRγ, TCRδ; TCR gamma delta

Size: 0.1 mg

Concentration: 0.2 mg/ml

Clone: B1

Isotype: Mouse IgG1, κ

Reactivity: QC Testing: Human

Storage Buffer: Aqueous buffered solution containing <0.09% sodium azide.

Description

The B1 monoclonal antibody specifically binds to the γδ T cell receptor (γδ TCR). This receptor complex consists of two disulfide-linked transmembrane glycoproteins, a γ chain (45-60 kDa) and a δ subunit (40-60 kDa). The γδ TCR is associated with the signal-transducing CD3 complex. The γδ TCR is expressed by thymocytes and by peripheral T cell subsets (γδ T cells) that are located in the blood, liver, skin and various lymphoid and mucosal tissues. γδ T cells contribute to both innate and adaptive immune responses to infections and tumors. Reports suggest that γδ T cells may also play roles in antigen presentation and the regulation of autoimmune responses.

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 R-PE under optimum conditions, and unconjugated antibody and free PE were 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>
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<tbody>
<tr>
<td>555749</td>
<td>PE Mouse IgG1, κ Isotype Control</td>
<td>100 tests</td>
<td>MOPC-21</td>
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<tr>
<td>555335</td>
<td>APC Mouse Anti-Human CD3</td>
<td>100 tests</td>
<td>UCHT1</td>
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<td>555916</td>
<td>FITC Mouse Anti-Human CD3</td>
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<td>555899</td>
<td>Lysing Buffer</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 Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
5. An isotype control should be used at the same concentration as the antibody of interest.

References