Technical Data Sheet

PE Hamster Anti-Mouse γδ T-Cell Receptor

Product Information

Material Number: 553178
Alternate Name: Tcrd; T-cell receptor delta chain; Tcr delta
Size: 0.1 mg
Concentration: 0.2 mg/ml
Clone: GL3
Immunogen: C57BL/6 Mouse Intestinal Intraepithelial Lymphocytes
Isotype: Armenian Hamster IgG2, κ
Reactivity: Mouse
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The GL3 monoclonal antibody specifically binds to a common epitope of the δ chain of the T-cell Receptor (TCR) complex on γδ TCR-expressing T lymphocytes and NK-T cells of all mouse strains tested. It does not react with αβ TCR-bearing T cells. In the mouse, cells expressing the γδ TCR are found in the thymus, intestinal epithelium, epidermis, dermis, pulmonary epithelium, peritoneum, liver, and peripheral lymphoid organs.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Routinely Tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow cytometry</td>
<td></td>
</tr>
</tbody>
</table>

Recommended Assay Procedure:

For flow cytometry of cell suspensions from peripheral lymphoid tissues, it is recommended that multicolor staining be performed to distinguish T lymphocytes from non-T cells.

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>555274</td>
<td>FITC Rat Anti-Mouse CD3 Molecular Complex</td>
<td>0.5 mg</td>
<td>17A2</td>
</tr>
<tr>
<td>550085</td>
<td>PE Hamster IgG2, κ Isotype Control</td>
<td>0.1 mg</td>
<td>B81-3</td>
</tr>
<tr>
<td>561997</td>
<td>PE Hamster Anti-Mouse γδ T-Cell Receptor</td>
<td>25 µg</td>
<td>GL3</td>
</tr>
<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
</tbody>
</table>
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.
5. Although hamster immunoglobulin isotypes have not been well defined, BD Biosciences Pharmingen has grouped Armenian and Syrian hamster IgG monoclonal antibodies according to their reactivity with a panel of mouse anti-hamster IgG mAbs. A table of the hamster IgG groups, Reactivity of Mouse Anti-Hamster Ig mAbs, may be viewed at http://www.bdbiosciences.com/documents/hamster_chart_11x17.pdf.

References


