Technical Data Sheet

PE Mouse Anti-Human β2-Microglobulin

Product Information

Material Number: 551337
Size: 100 Tests
Vol. per Test: 20 µl
Clone: TÜ99
Isotype: Mouse IgM, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing BSA, protein stabilizer, and ≤0.09% sodium azide.

Description

β2-microglobulin is the 12 kDa β chain which noncovalently associates with the 44 kDa α chain to form the HLA Class I antigen complex. This antibody reacts with free or complexed β2-microglobulin. TÜ99 does not react with β2-microglobulin of other species. This antibody is suitable for staining formalin-fixed, paraffin-embedded tissue sections using TUF pretreatment.

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

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>555584</td>
<td>PE Mouse IgM, κ Isotype Control</td>
<td>100 Tests</td>
<td>G155-228</td>
</tr>
<tr>
<td>349202</td>
<td>BD FACS™ Lysing Solution</td>
<td>100 mL</td>
<td>(none)</td>
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<tr>
<td>555899</td>
<td>Lysing Buffer</td>
<td>100 mL</td>
<td>(none)</td>
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<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 mL</td>
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<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
<td>500 mL</td>
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</tbody>
</table>

Flow cytometric analysis of β2-Microglobulin expression on peripheral blood lymphocytes. Whole blood was stained with either PE Mouse Anti-Human β2-Microglobulin (Cat. No. 551337; solid line histogram), or with PE Mouse IgM, κ Isotype Control (Cat. No. 555584; dashed line histogram). Erythrocytes were lysed with BD FACS™ Lysing Solution (Cat. No. 349202). The fluorescence histograms were derived from gated events with the forward and side light-scattering characteristics of viable lymphocytes.

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551337 Rev. 6
Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-µl experimental sample (a test).
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
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.
5. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.

References