technical data sheet

fitc mouse anti-rat αβ t-cell receptor

product information

material number: 554913
size: 0.5 mg
concentration: 0.5 mg/ml
clone: r73
immunogen: rat t blasts and rat erythrocytes
isotype: mouse (balb/c) igg1, κ
reactivity: aqueous buffered solution containing ≤0.09% sodium azide.

description

the r73 antibody reacts with the αβ t-cell receptor (tcr) found on most peripheral t lymphocytes, intestinal intraepithelial lymphocytes, and thymocytes. it does not react with γδ tcr-bearing cells. cross-linked r73 mab induces t-cell differentiation and activation. in vivo treatment with mab r73 can suppress immune function of peripheral αβ tcr-expressing t cells, and reduce the severity of experimental autoimmune, transplant rejection, and graft-versus-host responses.

this antibody is routinely tested by flow cytometric analysis. other applications are tested at bd biosciences pharmingen during antibody development only or reported in the reported.

preparation and storage

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.

store undiluted at 4° c and protected from prolonged exposure to light. do not freeze.

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554913 rev. 10
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>550616</td>
<td>FITC Mouse IgG1, κ Isotype Control</td>
<td>0.25 mg</td>
<td>MOPC-31C</td>
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</tbody>
</table>

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.

References


