Technical Data Sheet

Purified NA/LE Mouse Anti-Rat αβ T-Cell Receptor

Product Information

Material Number: 554910
Alternate Name: TCR α/β; TCR αβ; αβ TCR; alpha beta TCR
Size: 0.5 mg
Concentration: 1.0 mg/ml
Clone: R73
Immunogen: Rat T blasts and rat erythrocytes
Isotype: Mouse (BALB/c) IgG1, κ
Reactivity: QC Testing: Rat
Storage Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is ≤0.01 EU/µg (≤0.001 ng/µg) of protein as determined by the LAL assay.

Description

The R73 monoclonal antibody specifically recognizes 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 activation and differentiation. 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.

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

Flow cytometry Routinely Tested
Western blot Reported
Immunoprecipitation Reported
Immunohistochemistry Reported

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>553447</td>
<td>Purified NA/LE Mouse IgG1 κ Isotype Control</td>
<td>0.5 mg</td>
<td>107.3</td>
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<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
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<td>Polyclonal</td>
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<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
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</tr>
<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
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<td>(none)</td>
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</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.

References


