Technical Data Sheet

Purified NA/LE Rat Anti-Mouse IL-2

Product Information

Material Number: 554375
Size: 0.5 mg
Concentration: 1.0 mg/ml
Clone: S4B6
Immunogen: T cell clone supernatant
Isotype: Rat IgG2a
Reactivity: QC Testing: Mouse
Storage Buffer: No azide/low endotoxin: Aqueous buffered solution containing protein stabilizer, 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 S4B6 antibody reacts with mouse interleukin-2 (IL-2). The immunogen used to generate the S4B6 hybridoma was a T cell clone supernatant. This is a neutralizing antibody.

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

| Neutralization | Routinely Tested |
| Western blot | Reported |

Neutralization Activity:

This antibody has been reported to be useful for the neutralization of recombinant mouse IL-2. Neutralization activity may be measured with a proliferation assay using 80 pg/mL recombinant mouse IL-2 (Cat. No. 550069) to stimulate CTLL-2 cells at 1x10^5 cells/mL as indicator cells (i.e. preincubation of the antibody with recombinant mouse IL-2 for 60 minutes).
50% Neutralization (ND50) at 5 - 30 ng/mL
> 95 % Neutralization at 30 - 80 ng/mL.

Recommended Assay Procedure:

Western Blot: The S4B6 antibody (purified format) has been reported to be useful for Western blotting. A concentration of 1-5 µg/mL (in conjunction with an AKP-conjugated goat anti-rat Ig secondary antibody) has been reported to enable detection of ≤ 100 ng/lane of recombinant mouse IL-2 (Cat. No. 550069) under reducing conditions.

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>554687</td>
<td>Purified NA/LE Rat IgG2a x Isotype Control</td>
<td>0.5 mg</td>
<td>R35-95</td>
</tr>
<tr>
<td>550069</td>
<td>Recombinant Mouse IL-2</td>
<td>20 µg</td>
<td>(none)</td>
</tr>
</tbody>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

References


BD Biosciences

bdbiosciences.com
877.232.8995
800.979.9498
United States

For country contact information, visit bdbiosciences.com/contact

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