Technical Data Sheet

PE Mouse Anti-Human CD122

Product Information

Material Number: 554525
Alternate Name: IL-2 Receptor β chain, p75
Size: 0.2 mg
Concentration: 0.2 mg/ml
Clone: Mik-β3
Isotype: Mouse IgG1, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description
The Mik-β3 clone reacts with CD122, the p75 (β chain) of the human high affinity receptor for interleukin 2 (IL-2Rβ), a 70-75 kD type I transmembrane protein expressed on mature T- and pre-B-cell subsets, thymocytes, monocytes, hematopoietic progenitor cells, fetal liver cells and stromal cells. The IL-2Rβ plays a role in B-cell proliferation, T-cell proliferation and activation.

Profile of peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)

Preparation and Storage

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.
Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application | Flow cytometry | Routinely Tested
--- | --- | ---

Recommended Assay Procedure:
This antibody has also been reported to be useful for immunoprecipitation experiments. It has been reported to precipitate from YTS cell lysates a 90,000 kD complex (IL-2 + p75). This antibody has also been reported not to block IL-2 binding to the β chain of the IL-2 receptor. Please note that this application is not routinely tested at BD Biosciences Pharmingen.

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>554680</td>
<td>PE Mouse IgG1, κ Isotype Control</td>
<td>0.1 mg</td>
<td>MOPC-21</td>
</tr>
</tbody>
</table>

BD Biosciences

www.bd biosciences.com

For country-specific contact information, visit www.bd biosciences.com/how_to_order/

Conditions: The Information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale. BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2007 BD
Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharmingen/colors.
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.

References