Technical Data Sheet

SV510 Mouse Anti-Human CD122

Product Information

Material Number: 563093
Alternate Name: IL2RB; IL-2Rβ; IL-2R subunit beta; IL-2RB; IL15RB; IL-2/15Rb; IL-2R p75
Size: 50 tests
Vol. per Test: 5 µl
Clone: Mik-β3
Immunogen: Human YTS Cell Line
Isotype: Mouse (BALB/c) IgG1, κ
Reactivity: QC Testing: Human
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description
The Mik-β3 monoclonal antibody specifically binds to CD122. CD122 is also known as IL-2/15Rβ because it is the shared p75 subunit (IL-12Rβ/IL-15Rβ) of heteromeric receptors for IL-2 and IL-15. CD122 is a 70-75 kD type I transmembrane glycoprotein expressed on thymocytes, T cells, B cells, NK cells, monocytes, hematopoietic progenitor cells, fetal liver cells and stromal cells. The CD122 plays roles in the activation, differentiation and proliferation of various cell types including T cells, B cells and NK cells.

The antibody was conjugated to BD Horizon™ BV510 which is part of the BD Horizon™ Brilliant Violet™ family of dyes. With an Ex Max of 405-nm and Em Max at 510-nm, BD Horizon™ BV510 can be excited by the violet laser and detected in the BD Horizon™ V500 (525/50-nm) filter set. BD Horizon™ BV510 conjugates are useful for the detection of dim markers off the violet laser.

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 BD Horizon™ BV510 under optimum conditions, and unconjugated antibody and free BD Horizon™ BV510 were removed.

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>
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</thead>
<tbody>
<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 ml</td>
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<tr>
<td>562946</td>
<td>BV510 Mouse IgG1, κ Isotype Control</td>
<td>50 µg</td>
<td>X40</td>
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<tr>
<td>555899</td>
<td>Lysing Buffer</td>
<td>100 ml</td>
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Product Notices
1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 × 10^6 cells in a 100-µl experimental sample (a test).
2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
3. An isotype control should be used at the same concentration as the antibody of interest.
5. 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.
6. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
7. Brilliant Violet™ 510 is a trademark of Sirigen.

References