Technical Data Sheet

PE Mouse Anti-Human CD4

Product Information

Material Number: 550630
Size: 50 tests
Vol. per Test: 20 µl
Clone: L200
Isotype: Mouse IgG1, κ
Reactivity: Human
QC Testing: Baboon or Cynomolgus or Rhesus
Workshop: NA
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The L200 monoclonal antibody specifically binds to the human form of the 56 kDa transmembrane glycoprotein, CD4, present on the T-helper/inducer subset of normal human donor peripheral blood lymphocytes. The L200 antibody also crossreacts with a subset of CD3-positive peripheral blood lymphocytes, but not monocytes, of both Rhesus and Cynomolgus Macaque monkeys. Crossreactivity on both lymphocytes and monocytes (weak) from Baboons is also observed. The distribution on lymphocytes is similar for both human and monkey cells, with the majority of CD4-positive lymphocytes being CD8-negative and lacking reactivity with antibodies to B- or NK-cell markers.

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

Suggested Companion Products

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<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
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<tr>
<td>556650</td>
<td>PE Mouse IgG1, κ Isotype Control</td>
<td>50 tests</td>
<td>MOPC-21</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. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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3. Please refer to wwwbdbiosciencescom/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at wwwbdbiosciencescom/colors.
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. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References
Verdier F, Aupjalat M, Condeaux F, Descotes J. Determination of lymphocyte subsets and cytokine levels in cynomolgus monkeys. Toxicology. 1995; 105(1):81-90. (Biology)