Technical Data Sheet

FITC Rat Anti-Human Cutaneous Lymphocyte Antigen

Product Information

Material Number: 555947
Alternate Name: CLA
Size: 100 tests
Vol. per Test: 20 µl
Clone: HECA-452
Isotype: Rat IgM, κ
Reactivity: QC Testing: Human
Reported: Mouse
Workshop: V S075
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with cutaneous lymphocyte associated antigen (CLA), a carbohydrate domain shared by sialyl Lewis[x] (sLe[x]) and sialyl Lewis[a] (sLe[a]) antigens. It serves as the ligand for selectins including CD62E (ELAM-1) and CD62L (LECAM-1). CLA is expressed on lymphocytes in the skin on high endothelium. In peripheral blood, it is expressed on a small subset of lymphocytes and all monocytes and granulocytes. It has been suggested that CLA plays a role in supporting lymphocyte migration to extravascular tissue during inflammation.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

Profile of peripheral blood lymphocytes analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was 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>
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<tr>
<td>555951</td>
<td>FITC Rat IgM, κ Isotype Control</td>
<td>100 tests</td>
<td>R4-22</td>
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Product Notices

BD Biosciences

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1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-μl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
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.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References