

Technical Data Sheet

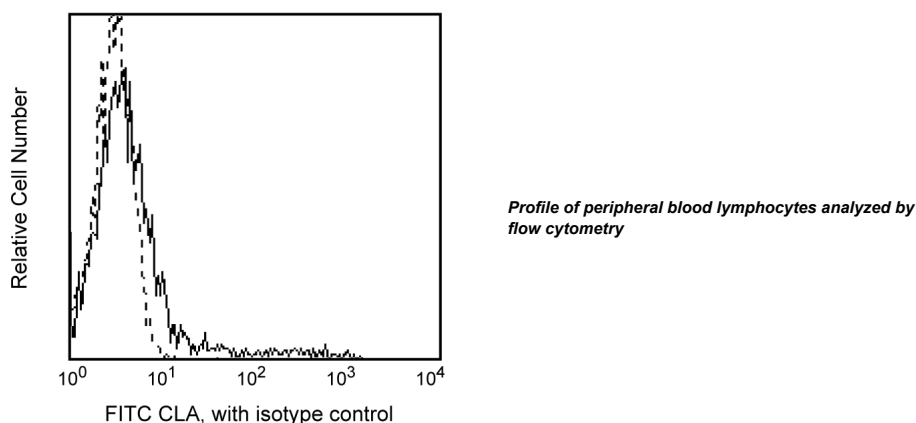
FITC Rat Anti-Human Cutaneous Lymphocyte Antigen

Product Information

Material Number:	561987
Alternate Name:	CLA
Size:	25 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.



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 FITC under optimum conditions, and unreacted FITC was removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555951	FITC Rat IgM, κ Isotype Control	100 tests	R4-22
554656	Stain Buffer (FBS)	500 ml	(none)

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.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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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.
6. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
7. An isotype control should be used at the same concentration as the antibody of interest.

References

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