

Technical Data Sheet

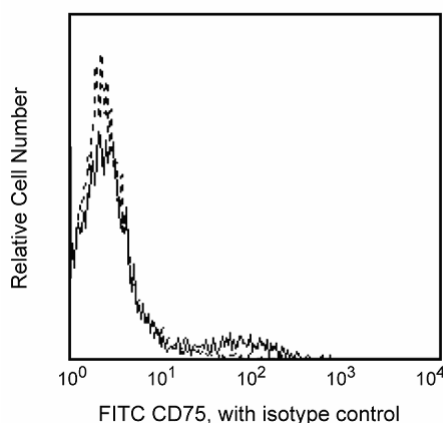
FITC Mouse Anti-Human CD75

Product Information

Material Number:	555654
Alternate Name:	CDw75
Size:	100 tests
Vol. per Test:	20 µl
Clone:	LN1
Isotype:	Mouse IgM, κ
Reactivity:	QC Testing: Human
Workshop:	V CD75.3, BP162
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with CD75, a carbohydrate determinant generated by the action of intracellular α2,6 sialyltransferase, expressed on mature B cells. In the lymph node, strong reactivity has been detected on germinal center B cells and weaker expression observed in mantle zone B cells. Evidence suggests that CD75 plays a role in intercellular adhesion and is a ligand for CD22.



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 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
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555583	FITC Mouse IgM, κ Isotype Control	100 tests	G155-228

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10⁶ cells in a 100-µl experimental sample (a test).

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2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
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

Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Clone-specific)
Stamenkovic I, Sgroi D, Aruffo A, Sy MS, Anderson T. The B lymphocyte adhesion molecule CD22 interacts with leukocyte common antigen CD45RO on T cells and alpha 2-6 sialyltransferase, CD75, on B cells. *Cell*. 1991; 66(6):1133-1144.(Biology)