

Technical Data Sheet

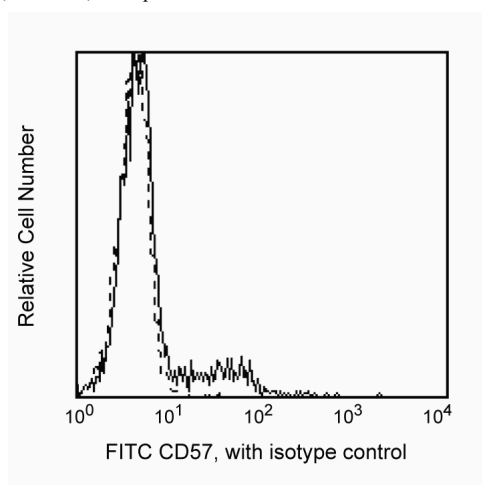
FITC Mouse Anti-Human CD57

Product Information

Material Number:	561906
Alternate Name:	HNK1; LEU7; LEU7 antigen; NK-1; NK1
Size:	25 tests
Vol. per Test:	20 µl
Clone:	NK-1
Isotype:	Mouse IgM, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The NK-1 monoclonal antibody specifically reacts with a 110 kDa carbohydrate antigen associated with myelin-associated glycoprotein expressed on 7-35% of normal peripheral blood lymphocytes including a subset of natural killer cells, a subset of CD8-positive peripheral blood T cells, and on some neural tissues. CD57 is not expressed on granulocytes, platelets, red blood cells or thymocytes. The function of CD57 is still unclear, however, its expression on T-cell subsets occurs in late immune responses.



Profile of peripheral blood lymphocytes analyzed on a BD FACScan™ (BDIS, San Jose, CA)

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
555583	FITC Mouse IgM, κ Isotype Control	100 tests	G155-228
554656	Stain Buffer (FBS)	500 ml	(none)

Product Notices

- 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).
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- 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.
- For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.

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5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
6. An isotype control should be used at the same concentration as the antibody of interest.

References

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- McGarry RC, Helfand SL, Quarles RH, Roder JC. Recognition of myelin-associated glycoprotein by the monoclonal antibody HNK-1. *Nature.* 1983; 306(5941):376-378. (Biology)
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