Technical Data Sheet

PE Mouse Anti-Human CD57

Product Information

560844 **Material Number:**

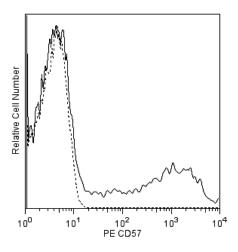
HNK1; LEU7; LEU7 antigen; NK-1; NK1 Alternate Name:

100 tests Size: 5 μl Vol. per Test: NK-1 Clone: Isotype: Mouse IgM, κ Reactivity: QC Testing: Human

Aqueous buffered solution containing BSA and ≤0.09% sodium azide. Storage Buffer:

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 subets occurs in late immune responses.



Flow cytometric analysis of CD57 expression on human peripheral blood lymphocytes. Whole blood was stained with PE Mouse Anti-Human CD57 antibody (Cat. No. 560844; solid line histogram) or with a PE Mouse IgM, κ Isotype Control (Cat. No. 555584; dashed line histogram). The erythrocytes were lysed with BD PharmLyse™ Lysing Buffer (Cat. No. 555899). The fluorescence histograms were derived from events with the forward and side light-scatter characteristics of viable lymphocytes. Flow cytometry was performed using a BD™ LSR II Flow Cytometer System.

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

pheuton		
Flow cytometry	Routinely Tested	

Suggested Companion Products

Catalog Number	Name	Size	Clone
555584	PE Mouse IgM, κ Isotype Control	100 tests	G155-228
555899	Lysing Buffer	100 ml	(none)

Product Notices

- This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 × 10⁶ cells in a 100-µl experimental
- Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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

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560844 Rev. 1 Page 2 of 2