Technical Data Sheet

Purified Mouse Anti-Human CD57

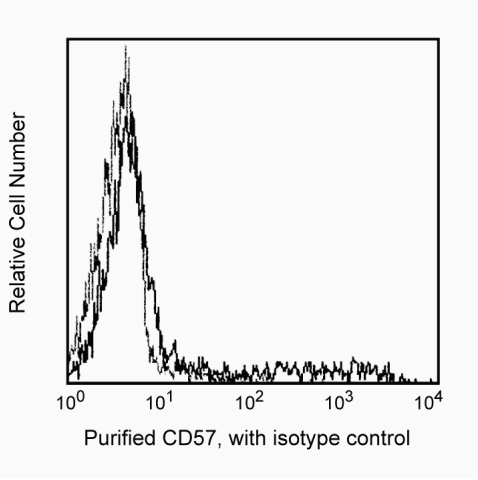
Product Information

Material Number:	**555618**
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	NK-1
Isotype:	Mouse IgM, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

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+ peripheral blood suppressor/cytotoxic 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.

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.
Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
555581	Purified Mouse IgM, κ Isotype Control	0.1 mg	G155-228

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Product Notices

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

References

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Abo T, Cooper MD, Balch CM. Characterization of HNK-1+ (Leu-7) human lymphocytes. I. Two distinct phenotypes of human NK cells with different cytotoxic capability. *J Immunol.* 1982; 129(4):1752-1757.(Biology)

d'Angeac AD, Monier S, Pilling D, Travaglio-Encinoza A, Reme T, Salmon M. CD57+ T lymphocytes are derived from CD57- precursors by differentiation occurring in late immune responses. *Eur J Immunol.* 1994; 24(7):1503-1511.(Biology)

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)