

Technical Data Sheet

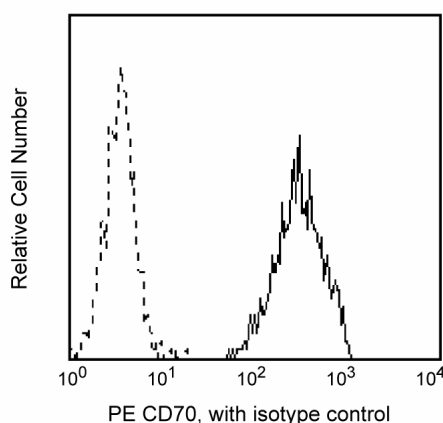
PE Mouse Anti-Human CD70

Product Information

Material Number:	561935
Alternate Name:	CDw70
Size:	25 tests
Vol. per Test:	20 µl
Clone:	Ki-24
Isotype:	Mouse IgG3, κ
Reactivity:	QC Testing: Human
Workshop:	IV A109
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with an antigen which immunoprecipitates as five bands (50, 70, 90, 100 and 160 kDa) under non-reducing conditions. CD70 is strongly expressed on Reed-Sternberg cells, some activated T or B cells and Epstein Barr Virus (EBV)+ lymphoblastoid cell lines. Reports suggest that CD70 plays a role in the regulation of special T-cell proliferative functions.



Profile of peripheral U266 cells (ATCC TIB-196, human plasma cell line) analyzed by flow cytometry

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 R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
556659	PE Mouse IgG3, κ Isotype Control	50 tests	J606
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.
4. 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. 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.
7. An isotype control should be used at the same concentration as the antibody of interest.

References

Knapp W, Dorken B, Rieber EP, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989:1-1208. (Clone-specific)

Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995. (Biology)