

Technical Data Sheet

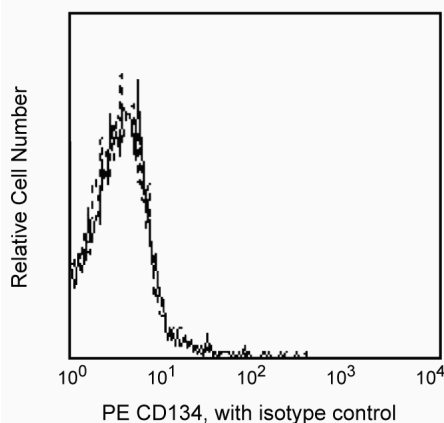
PE Mouse Anti-Human CD134

Product Information

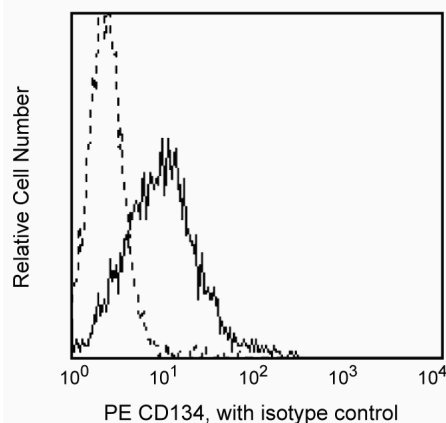
Material Number:	561700
Alternate Name:	OX40
Size:	25 tests
Vol. per Test:	20 µl
Clone:	ACT35
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	IV A107, VI C-31
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with a 35 kD polypeptide chain expressed on mitogen-stimulated lymphocytes. OX40 is a member of the tumor necrosis factor/nerve growth factor receptor (TNFR/NGFR) family. OX40 was clustered as CD134 in the Sixth International Workshop on Human Leukocyte Differentiation Antigens. Analysis of the nucleoside sequence of the human cDNA reveals strong homology with rat OX40 cDNA. CD134 may play a role in T-cell activation as well as regulation of differentiation, proliferation or apoptosis of normal and malignant lymphoid cells.



Profile of non-stimulated peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)



Profile of PHA-stimulated peripheral blood lymphocytes analyzed on a 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 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
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21
554656	Stain Buffer (FBS)	500 ml	(none)
555899	Lysing Buffer	100 ml	(none)

BD Biosciences

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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- μ l experimental sample (a test).
2. 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.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
5. An isotype control should be used at the same concentration as the antibody of interest.
6. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.

References

- Knapp W, Dorken B, Rieber EP, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989:1-1208. (Clone-specific)
- Latza U, Durkop H, Schnittger S, et al. The human OX40 homolog: cDNA structure, expression and chromosomal assignment of the ACT35 antigen. *Eur J Immunol.* 1994; 24(3):677-683. (Biology)
- Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995. (Biology)