

Technical Data Sheet

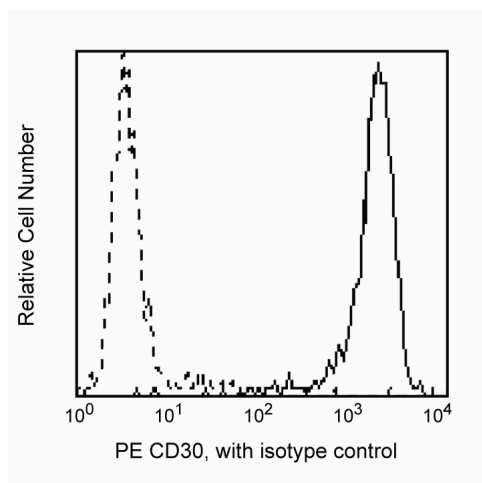
PE Mouse Anti-Human CD30

Product Information

Material Number:	550041
Alternate Name:	TNFRSF8; TNR8; CD30L/CD153 receptor; Ki-1; D1S166E
Size:	100 Tests
Vol. per Test:	20 µl
Clone:	BerH8 (also known as Ber-H8)
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	III A171; IV A105; V A042
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The BerH8 monoclonal antibody specifically binds to CD30, a 120 kDa type I transmembrane glycoprotein expressed on stimulated T and B cells. CD30 is an activation marker initially identified to be expressed on Reed-Sternberg cells. It is also expressed on a few extrafollicular T and B cells located at the rim of germinal centers. CD30 serves as a cytokine receptor. It belongs to the nerve growth factor receptor/tumor necrosis factor receptor (NGFR/TNFR) superfamily and is also known as TNFRSF8. CD30 interaction with CD30 ligand (CD30L/CD153/TNFSF8) can mediate signals for proliferation, apoptosis and cytotoxicity of lymphoid cells.



Flow cytometric analysis of CD30 expression on YT cell line. YT cells were stained with either PE Mouse Anti-Human CD30 (Cat. No. 550041; solid line histogram) or PE Mouse IgG1, κ Isotype Control (Cat. No. 555749; dashed line histogram). Fluorescent histograms were derived from gated events with the side and forward light-scattering characteristics of viable cells.

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)
554657	Stain Buffer (BSA)	500 mL	(none)

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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. An isotype control should be used at the same concentration as the antibody of interest.
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.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
5. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
6. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.

References

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