

Technical Data Sheet

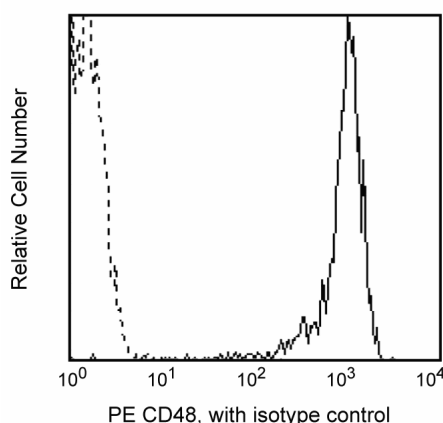
PE Mouse Anti-Human CD48

Product Information

Material Number:	552855
Alternate Name:	BCM1
Size:	100 tests
Vol. per Test:	20 µl
Clone:	TÜ145
Isotype:	Mouse IgM, κ
Reactivity:	QC Testing: Human
Workshop:	IV, N68
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with a 43 kDa glycosylphosphatidylinositol (GPI)-anchored single chain glycoprotein. CD48 is strongly expressed on lymphocytes and weakly on granulocytes. The expression of CD48 is upregulated following Epstein-Barr virus (EBV) infection. It has been suggested that CD48 is a low affinity receptor for CD2.



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. 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

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555584	PE Mouse IgM, κ Isotype Control	100 tests	G155-228

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.
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.

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References

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Sandrin MS, Mouhtouris E, Vaughan HA, Warren HS, Parish CR. CD48 is a low affinity ligand for human CD2. *J Immunol*. 1993; 151(9):4606-4613. (Biology)

Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995. (Biology)