

Technical Data Sheet

Purified Mouse Anti-Human CD48

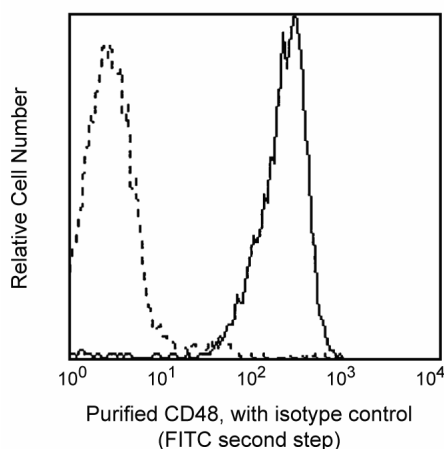
Product Information

Material Number:	555758
Alternate Name:	BCM1
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	TÜ145
Isotype:	Mouse IgM, κ
Reactivity:	QC Testing: Human
Workshop:	IV, N68
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ 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.

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. Second step staining with Cat. No. 555988.

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
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Suggested Companion Products

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

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

BD Biosciences

bdbiosciences.com

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

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)