

Technical Data Sheet

Purified Mouse Anti-Human CD6

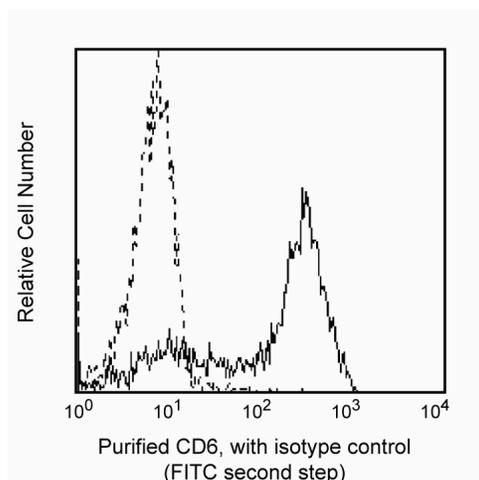
Product Information

Material Number:	555356
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	M-T605
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	IV T148
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with a 100 kDa type I transmembrane glycoprotein present on more than 80% of mature T cells and a subset of B cells. CD6 is also weakly expressed on cortical thymocytes. Recent evidence suggests that CD6 may have a role in T-cell activation. The antibody is useful for investigation of CD6+ B-cell function.

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
Immunohistochemistry-frozen	Reported

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/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

- Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)
- Knapp W, Dorken B, Rieber EP, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989.(Clone-specific)
- Bott CM, Doshi JB, Li LL, McMurtry SA, Sanders JL, Fox DA. Transcriptional regulation of CD6 expression on human T lymphocytes by phorbol ester. *J Immunol*. 1994; 153(1):1-9.(Biology)
- Rasmussen RA, Counts SL, Daley JF, Schlossman SF. Isolation and characterization of CD6- T cells from peripheral blood. *J Immunol*. 1994; 152(2):527-536. (Biology)