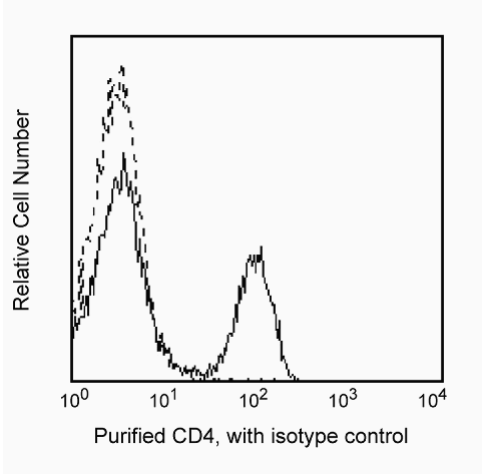


Technical Data Sheet

Purified Mouse Anti-Human CD4

Product Information	
Material Number:	556614
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	M-T477
Isotype:	Mouse IgG2a, κ
Reactivity:	Human
	QC Testing: Baboon or Rhesus or Cynomolgus
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description
Clone M-T477 reacts with the human form of a 56 kDa transmembrane glycoprotein, CD4, present on the T-helper/inducer subset of normal human donor peripheral blood lymphocytes. This clone also cross-reacts with a subset of CD3-positive peripheral blood lymphocytes, but not monocytes, of both rhesus and cynomolgus macaque monkeys. Cross-reactivity on both lymphocytes and monocytes (weak) of baboon is also observed. The distribution of M-T477 reactivity on lymphocytes is similar for both human and monkey, with the majority of CD4-positive lymphocytes being CD8-negative and lacking reactivity with antibodies to B- or NK-cell markers.



Profile of anti-CD4 reactivity on peripheral blood lymphocytes of rhesus macaque (*Macaca mulatta*) analyzed by flow cytometry

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

Suggested Companion Products

Catalog Number	Name	Size	Clone
556651	Purified Mouse IgG2a, κ Isotype Control	0.1 mg	G155-178
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

Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.(Biology)
Knapp W, Dorken B, Rieber EP, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989.(Biology)