

Technical Data Sheet

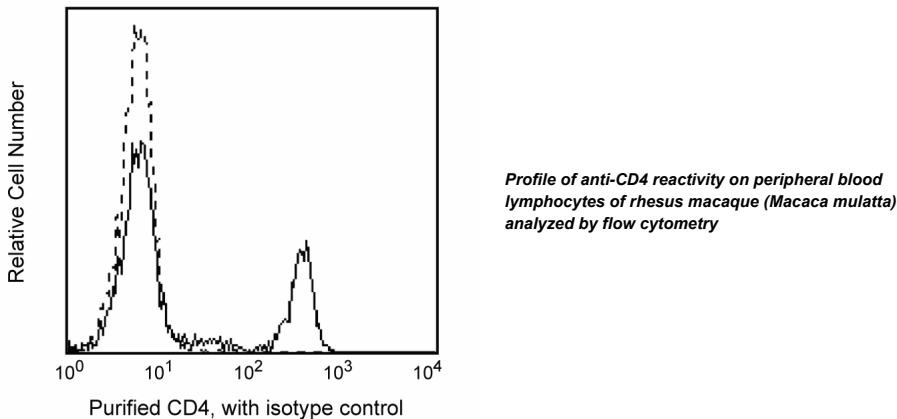
Purified Mouse Anti-Human CD4

<b>Product Information</b>	
Material Number:	550625
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	L200
Isotype:	Mouse IgG1 κ
Reactivity:	Human
	QC Testing: Baboon or Cynomolgus or Rhesus
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

**Description**

The L200 antibody reacts with the human form of the 56 kDa transmembrane glycoprotein, CD4, present on the T-helper/inducer subset of normal human donor peripheral blood lymphocytes. L200 antibody 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 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.

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.



**Preparation and Storage**

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

**Application Notes**

<b>Application</b>	
Flow cytometry	Routinely Tested

**Suggested Companion Products**

Catalog Number	Name	Size	Clone
556648	Purified Mouse IgG1 Kappa Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms

**BD Biosciences**  
bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit [bdbiosciences.com/how\\_to\\_order/](http://bdbiosciences.com/how_to_order/)

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.  
BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2006 BD



## 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](http://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

- Knapp W, Dorken B, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989.(Biology)
- Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Biology)
- Bleavins MR, Brott DA, Alvey JD, de la Iglesia FA. Flow cytometric characterization of lymphocyte subpopulations in the cynomolgus monkey (*Macaca fascicularis*). *Vet Immunol Immunopathol*. 1993; 37(1):1-13.(Biology)
- Giorgi JV, Hultin LE, Desrosiers RC. The immunopathogenesis of retroviral diseases: no immunophenotypic alterations in T, B, and NK cell subsets in SIVmac239-challenged rhesus macaques protected by SIV delta nef vaccination. *J Med Primatol*. 1996; 25(3):186-191.(Biology)
- Indzhia LV, Yakovleva LA, Overbaugh J, et al. Baboon T cell lymphomas expressing the B cell-associated surface proteins CD40 and Bgp95. *J Clin Invest*. 1992; 12(3):225-236.(Biology)
- Jacobsen CN, Aasted B, Broe MK, Petersen JL. Reactivities of 20 anti-human monoclonal antibodies with leucocytes from ten different animal species. *Vet Immunol Immunopathol*. 1993; 39(4):461-466.(Biology)
- Powell JD, McClure HM, Anderson D, Fultz PN, Sell KW, Ahmed-Ansari A. Phenotypic and functional differences in NK and LAK cells in the peripheral blood of sooty mangabeys and rhesus macaques. *Cell Immunol*. 1989; 124(1):107-118.(Biology)
- Savary CA, Lotzova E, Jackson HJ, Jardine JH, Ang KK. Analysis of interleukin-2-activated killer cells of rhesus monkeys: striking resemblance to the human system. *J Leukoc Biol*. 1993; 54(4):307-313.(Biology)
- Tryphonas H, Lacroix F, Hayward S, Izaguirre C, Parenteau M, Fournier J. Cell surface marker evaluation of infant *Macaca* monkey leukocytes in peripheral whole blood using simultaneous dual-color immunophenotypic analysis. *J Med Primatol*. 1996; 25(2):89-105.(Biology)
- Verdier F, Aujoulat M, Condevaux F, Descotes J. Determination of lymphocyte subsets and cytokine levels in cynomolgus monkeys. *Toxicology*. 1995; 105(1):81-90.(Biology)
- Wilson AD, Shooshtari M, Finerty S, Watkins P, Morgan AJ. Selection of monoclonal antibodies for the identification of lymphocyte surface antigens in the New World primate *Saguinus oedipus oedipus* (cotton top tamarin). *J Immunol Methods*. 1995; 178(2):195-200.(Biology)