

## Technical Data Sheet

## FITC Mouse Anti-Human CD18

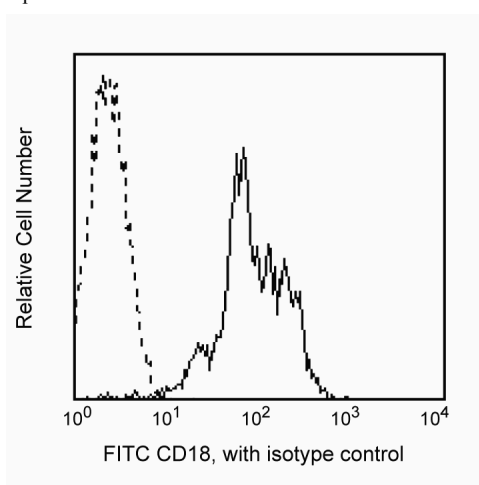
## Product Information

Material Number:	555923
Alternate Name:	Integrin $\beta$ 2 chain
Size:	100 tests
Vol. per Test:	20 $\mu$ l
Clone:	6.7
Isotype:	Mouse IgG1, $\kappa$
Reactivity:	QC Testing: Human Tested in Development: Rhesus, Cynomolgus, Pig, Rabbit
Workshop:	V BP368
Storage Buffer:	Aqueous buffered solution containing BSA and $\leq 0.09\%$ sodium azide.

## Description

Reacts with  $\beta$ 2 integrin, a 90-95 kDa transmembrane protein, which associates non-covalently as a heterodimer with the  $\alpha$  chains of CD11a, CD11b, or CD11c. CD18 is expressed on lymphocytes, monocytes, and more weakly on granulocytes. LFA-1 has been shown to play an important role in homotypic and heterotypic cellular adhesion in immune and inflammatory responses.

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 on a FACScan (BDIS, San Jose, CA)

## Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was 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
555748	FITC Mouse IgG1, $\kappa$ Isotype Control	100 tests	MOPC-21

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## Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use  $1 \times 10^6$  cells in a 100- $\mu$ l 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/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
4. 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.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

## References

- Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)
- Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Clone-specific)