

Technical Data Sheet

FITC Mouse Anti-Human CD61

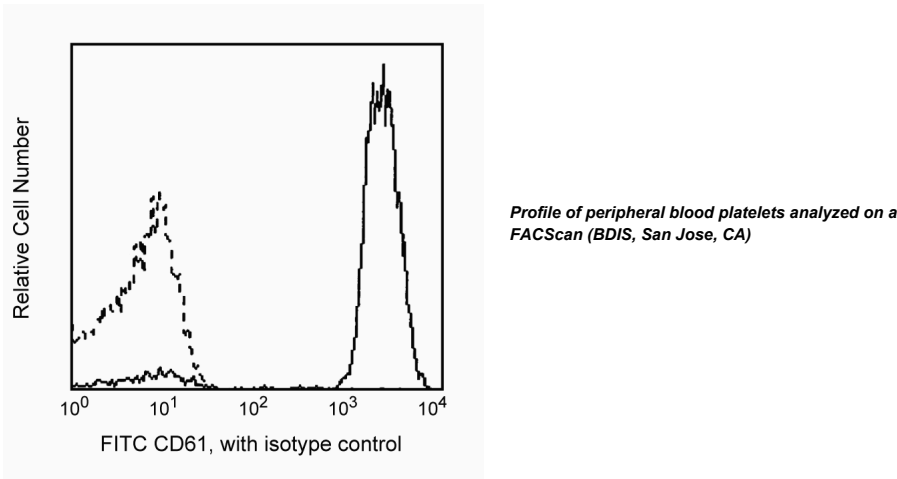
Product Information

Material Number:	555753
Alternate Name:	Integrin β3 Chain
Size:	100 tests
Vol. per Test:	20 μl
Clone:	VI-PL2
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human Tested in Development: Dog
Workshop:	V 5T-124
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with integrin β3, a 105 kDa transmembrane glycoprotein, expressed on platelets, megakaryocytes, osteoclasts and endothelia. Integrin β3 associates with gpIIa (CD41) to form the CD41/CD61 complex which mediates platelet adhesion and aggregation. CD61 also associates with CD51 to form the CD51/CD61 complex (vitronectin receptor). CD61 appears to bind to fibrinogen, fibronectin, vWF, vitronectin, and thrombospondin to mediate cell adhesion.

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 antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.  
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.  
Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application
Flow cytometry
Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
555748	FITC Mouse IgG1 κ 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. 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.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
5. Please refer to [www.bdbiosciences.com/pharmlingen/protocols](http://www.bdbiosciences.com/pharmlingen/protocols) for technical protocols.

## References

Schlossman S, Boumell L, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1995.(Biology)