

## Technical Data Sheet

## FITC Mouse Anti-Human CD61

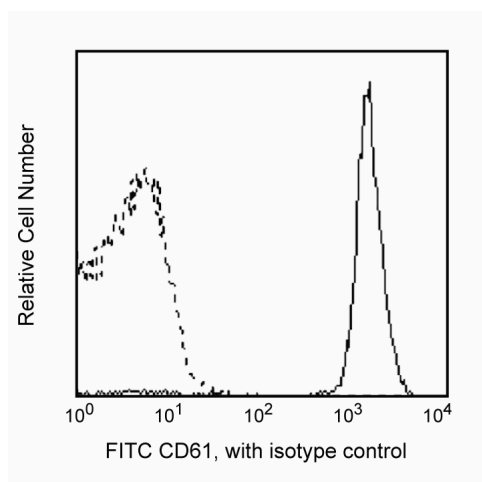
## Product Information

<b>Material Number:</b>	557291
<b>Alternate Name:</b>	Integrin $\beta$ 3 Chain
<b>Size:</b>	50 tests
<b>Vol. per Test:</b>	20 $\mu$ l
<b>Clone:</b>	VI-PL2
<b>Isotype:</b>	Mouse IgG1 $\kappa$
<b>Reactivity:</b>	Human QC Testing: Baboon or Rhesus or Cynomolgus
<b>Workshop:</b>	V 5T-124
<b>Storage Buffer:</b>	Aqueous buffered solution containing BSA and $\leq$ 0.09% sodium azide.

## Description

Reacts with integrin  $\beta$ 3, a 105 kDa transmembrane glycoprotein, expressed on platelets, megakaryocytes, osteoclasts and endothelia. Integrin  $\beta$ 3 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.



*Profile of anti-CD61 reactivity on peripheral blood platelets of rhesus macaque (macaca mulatta) monkey analyzed by flow cytometry*

## 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
551954	FITC Mouse IgG1 Kappa Isotype Control	50 tests	MOPC-21

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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/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/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.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

## References

- Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997.(Biology)
- Mason D, Andre P, Bensussan A, ed. *Leukocyte Typing VII*. New York: Oxford University Press; 2002.(Biology)
- Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Clone-specific)