

## Technical Data Sheet

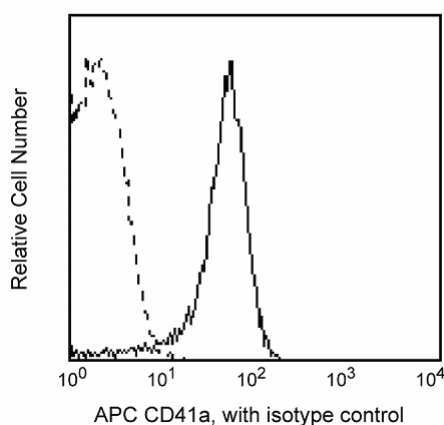
## APC Mouse Anti-Human CD41a

## Product Information

|                  |   |
|------------------|---|
| Material Number: | 559777  |
| Size:            | 100 tests   |
| Vol. per Test:   | 20 µl   |
| Clone:           | HIP8  |
| Isotype:         | Mouse IgG1, κ   |
| Reactivity:      | QC Testing: Human   |
| Workshop:        | IV P38  |
| Storage Buffer:  | Aqueous buffered solution containing BSA and ≤0.09% sodium azide. |

## Description

Reacts with a calcium-dependent complex of CD41/CD61 (GPIIb/IIIa) expressed on normal platelets and megakaryocytes. CD41/CD61 complex is the receptor for fibrinogen, fibronectin and von Willebrand factor, and mediates platelet adhesion and aggregation. CD41 (clone HIP8) completely inhibits ADP-, epinephrine-, and collagen-induced platelet activation, and partially inhibits ristocetin- and thrombin-induced platelet activation. This antibody is useful in the morphological and physiological studies of platelets and megakaryocytes.



Profile of peripheral blood platelets 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 to APC under optimum conditions, and unconjugated antibody and free APC were removed.

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   |
|----------------|-----------------------------------|-----------|---------|
| 555751         | APC Mouse IgG1, κ Isotype Control | 100 tests | MOPC-21 |

## Product Notices

- This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10<sup>6</sup> cells in a 100-µl experimental sample (a test).
- Since applications vary, each investigator should titrate the reagent to obtain optimal results.

## BD Biosciences

[www.bdbiosciences.com](http://www.bdbiosciences.com)

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

For country-specific contact information, visit [www.bdbiosciences.com/how\\_to\\_order/](http://www.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. ©2007 BD



3. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at [www.bdbiosciences.com/pharmingen/colors](http://www.bdbiosciences.com/pharmingen/colors).
5. 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.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

## 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. *Leukocyte Typing IV*. New York: Oxford University Press; 1989.(Clone-specific)