

## Technical Data Sheet

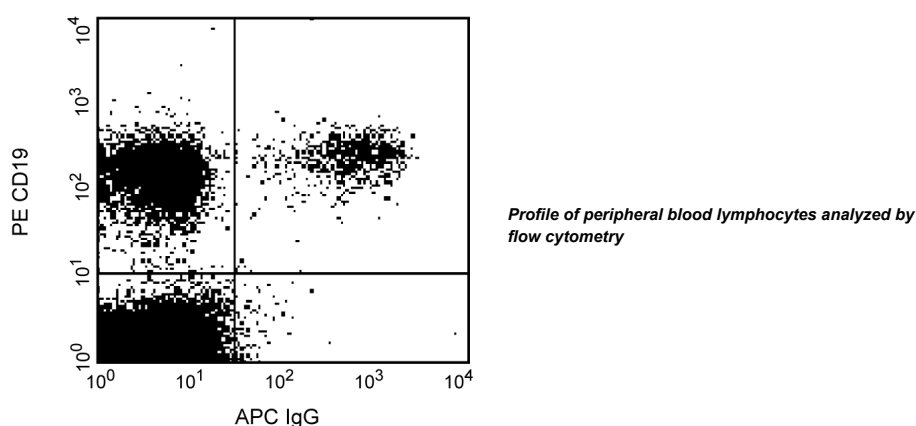
## APC Mouse Anti-Human IgG

## Product Information

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Material Number: | 550931                                                            |
| Size:            | 100 tests                                                         |
| Vol. per Test:   | 20 µl                                                             |
| Clone:           | G18-145                                                           |
| Isotype:         | Mouse IgG1, κ                                                     |
| Reactivity:      | QC Testing: Human                                                 |
| Workshop:        | NA                                                                |
| Storage Buffer:  | Aqueous buffered solution containing BSA and ≤0.09% sodium azide. |

## Description

The G18-145 monoclonal antibody specifically binds to the heavy chain of human immunoglobulin G subclasses: IgG1, IgG2, IgG3 and IgG4. The G18-145 antibody has been reported not to react with the heavy chains of other human immunoglobulin isotypes.



## 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 |
| 555413         | PE Mouse Anti-Human CD19          | 100 tests | HIB19   |

## 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-µl 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/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/colors](http://www.bdbiosciences.com/colors).

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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**

Zola H, Macardle PJ, Flego L, Webster J. The expression of sub-population markers on B cells: a re-evaluation using high-sensitivity fluorescence flow cytometry. *Dis Markers*. 1991; 9(2):103-118. (Biology)