

## Technical Data Sheet

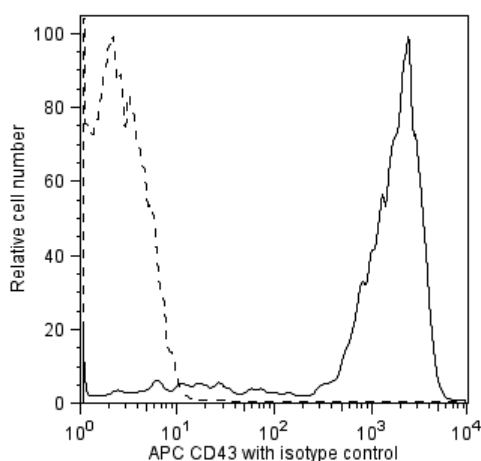
## APC Mouse anti-Human CD43

## Product Information

Material Number:	560198
Size:	100 tests
Vol. per Test:	20 µl
Clone:	1G10
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	VI N-L166R
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

## Description

Reacts with the major 95-135 kDa sialoglycoprotein found on most human leukocytes and identical to the molecules called sialophorin or leukosialin. CD43 antigen is expressed on T cells, NK cells and granulocytes, but is not present on most peripheral blood B cells, RBCs, platelets and non-hematopoietic cells. CD43 may be involved in the regulations of B, T and NK cell function. This antibody is suitable for staining formalin-fixed, paraffin-embedded tissue sections with TUF pretreatment.



**Flow cytometric analysis of APC anti-human CD43 on human lymphocytes.** Whole blood was stained with APC anti-human CD43 (clone 1G10, Cat. No. 560198) and compared to whole blood stained with a APC mouse IgG1 isotype control (clone MOPC-21, Cat. No. 555751). The isotype control is represented by a dashed line and the APC anti-human CD43 by the solid line. Flow cytometry was performed on a BD FACSCalibur™ System and the histograms were derived from the gated events based on light scattering characteristics of viable cells.

## 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
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## Suggested Companion Products

Catalog Number	Name	Size	Clone
555751	APC Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

## 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).
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.

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6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

## References

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