

## Technical Data Sheet

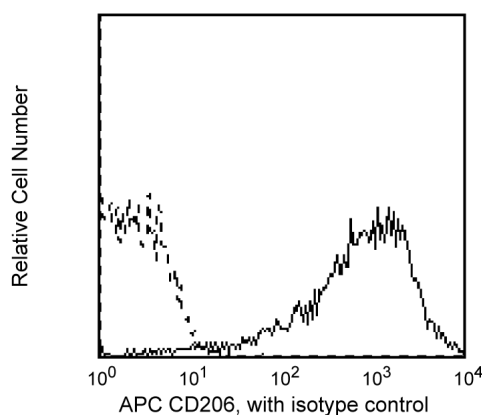
## APC Mouse Anti-Human CD206

## Product Information

Material Number:	561763
Alternate Name:	Macrophage mannose receptor
Size:	25 tests
Vol. per Test:	20 µl
Clone:	19.2
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

## Description

Reacts with the macrophage mannose receptor (MR), a membrane glycoprotein of approximately 162 kDa which binds to glycoconjugates containing mannose, fucose, or N-acetylglucosamine. These carbohydrates are present on the surface of many microorganisms and enable the macrophage to bind to microorganisms through the MR and internalize them during the process of phagocytosis. Mannose receptors are expressed on human macrophages and cultured dendritic cells. They are not detected on resting monocytes. Mannose receptor expression is upregulated on PBMC following 3 day incubation with GM-CSF.



Profile of GM-CSF-stimulated (3 days) peripheral blood mononuclear cells analyzed by flow cytometry.

## Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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.

## 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
554656	Stain Buffer (FBS)	500 ml	(none)

## 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. 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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5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
6. This APC-conjugated reagent can be used in any flow cytometer equipped with a dye, HeNe, or red diode laser.
7. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at [wwwbdbiosciences.com/colors](http://wwwbdbiosciences.com/colors).
8. An isotype control should be used at the same concentration as the antibody of interest.

#### **References**

Mason D, Andre P, Bensussan A, ed. *Leukocyte Typing VII*. New York: Oxford University Press; 2002. (Biology)  
Pontow SE, Kery V, Stahl PD. Mannose receptor. *Int Rev Cytol*. 1992; 137(B):221-244. (Biology)