Technical Data Sheet

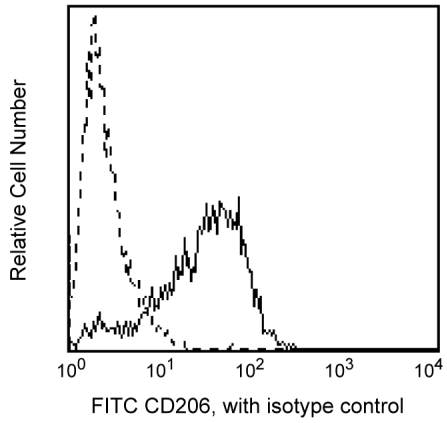
FITC Mouse Anti-Human CD206

Product Information

Material Number:	**551135**
Alternate Name:	Macrophage mannose receptor
Size:	100 tests
Vol. per Test:	20 µl
Clone:	19.2
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
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

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

Suggested Companion Products

Catalog Number	Name	Size	Clone
555748	FITC 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 × 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 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.

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)