

Technical Data Sheet

Purified Mouse Anti-Human CD206

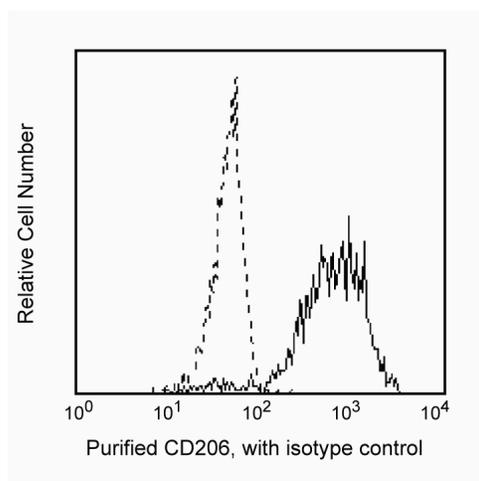
Product Information

Material Number:	555953
Alternate Name:	Macrophage mannose receptor
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	19.2
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤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 dendric cells. They are not detected on resting monocytes. Mannose receptor expression is upregulated on PBMC following 3 day incubation with GM-CSF.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



GM-CSF-stimulated (3 days) peripheral blood mononuclear cells (gated on large cell population) analyzed on a FACscan (BDIS, San Jose, CA)

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development

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Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
555746	Purified Mouse IgG1 Kappa Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
3. 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.

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.(Clone-specific)