Technical Data Sheet

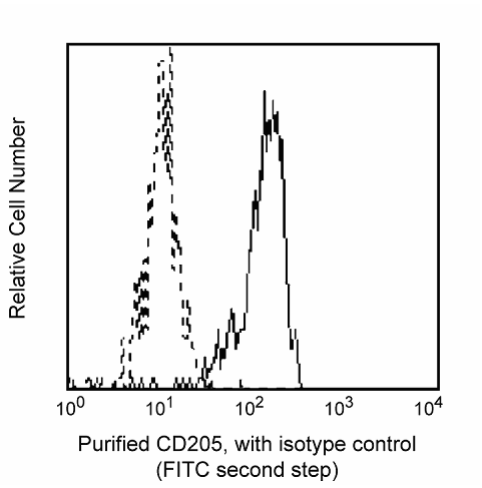
Purified Mouse Anti-Human CD205

Product Information

Material Number:	**557778**
Alternate Name:	DEC-205
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	MMRI-7
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with DEC-205, a 205 kDa transmembrane protein with C-type lectin external domains, present on dendritic cells (DC) and some epithelia. It is being described as a multilectin receptor for adsorptive endocytosis. Reports indicate that CD205 (DEC-205) mRNA levels increase significantly during activation. In monocyte derived dendritic cells, the expression of CD205 increased during maturation. Antibody MMRI-7 is useful for the study of DC development.



Profile of CD205 (MMRI-7) reactivity on peripheral blood monocytes analyzed by flow cytometry. *Second step staining with Cat. No. 555988.*

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

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

BD Biosciences

www.bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit **www.bdbiosciences.com/how_to_order/**

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/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

Guo M, Gong S, Maric S, et al. A monoclonal antibody to the DEC-205 endocytosis receptor on human dendritic cells. *Hum Immunol.* 2000; 61(8):129-738. (Biology)

Kato M, Neil TK, Clark GJ, Morris CM, Sorg RV, Hart DN. cDNA cloning of human DEC-205, a putative antigen-uptake receptor on dendritic cells. *Immunogenetics.* 1998; 47(6):442-450.(Biology)

Kato M, Neil TK, Fearnley DB, McLellan AD, Vuckovic S, Hart DN. Expression of multilectin receptors and comparative FITC-dextran uptake by human dendritic cells. *Int Immunol.* 2000; 12(11):1511-1519.(Biology)