Technical Data Sheet

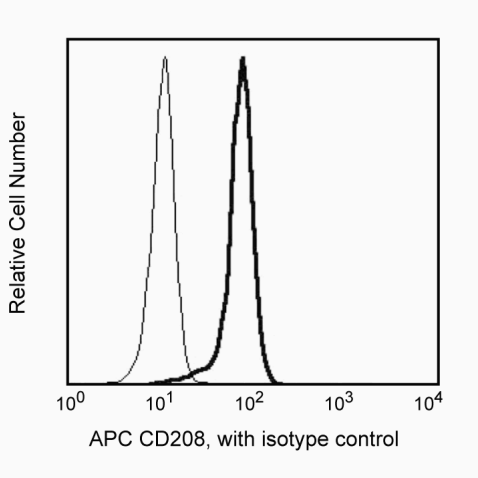
APC Mouse Anti-Human CD208

Product Information

Material Number:	**558168**
Alternate Name:	DC-LAMP
Size:	100 tests
Vol. per Test:	20 µl
Clone:	I10-1112
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with CD208, also known as DC-LAMP or lysosome associate membrane protein. DC-LAMP is an intracellular molecule, of approximately 70 - 90 kDa, induced during dendritic cell (DC) maturation. It is undetected in immature DCs, but it is sharply expressed upon activation with LPS, TNFa, or CD154 in DCs from skin, tonsil, cultures of CD34+ cells in presence of GM-CSF and TNFa, and on monocyte cultures in the presence of GM-CSF and IL-4. Reports describe the transient expression of CD208 in the MHC class II compartment before the translocation of the MHC II molecules to the cell surface. It has been suggested that the biological role of DCLAMP could be its participation in peptide loading onto MHC class II.



Profile of CD208, DC-LAMP (I10-1112) reactivity on fixed and permeablized monocyte- derived cultured dendritic cells with 1% Paraformaldehyde and 70% Ethanol Fixation 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 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

Intracellular staining (flow cytometry)	Routinely Tested

Suggested Companion Products

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

BD Biosciences

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10e6 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.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Banchereau J, Briere F, Caux C. Immunobiology of dendritic cells. *Annu Rev Immunol.* 2000; 18:767-811.(Biology)
de Saint-Vis B, Vincent J, Vandenabeele S. de Saint-Vis B, Vincent J, Vandenabeele S. *Immunity.* 1998; 9(3):325-336.(Biology)