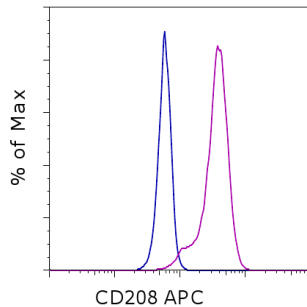


Anti-Human CD208 (DC-LAMP) APC

Catalog Number: 17-2089

Also known as: Dendritic cell lysosome-associated membrane glycoprotein

RUO: For Research Use Only. Not for use in diagnostic procedures.



In vitro differentiated human mature dendritic cells (7-day) were fixed and permeabilized and then stained with Mouse IgG2a K Isotype Control APC (cat. 17-4724) (blue histogram) or Anti-Human CD208 (DC-LAMP) APC (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD208 (DC-LAMP) APC

REF **Catalog Number:** 17-2089

Clone: 31B

Concentration: 5 μ L (0.5 μ g)/test

Host/Isotype: Mouse IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

This 31B monoclonal antibody reacts with human CD208, which is also known as dendritic cell lysosome-associated membrane glycoprotein (DC-LAMP). CD208 is expressed almost exclusively by mature dendritic cells. Expression of this molecule can be induced in monocytes by stimulation with GM-CSF and IL-4. Moreover, CD208 can be upregulated in CD34+ derived dendritic cells by GM-CSF, SCF, and TNF α . CD208 is also expressed in dendritic cells of non-lymphoid tissues such as skin. While CD208 can be detected on the cell surface, this protein is mainly localized within lysosomes. CD208 plays a key role in the processing and presentation of antigen during the immune response.

The 31B antibody only recognizes intracellular CD208, not the cell surface-expressed protein.

Applications Reported

This 31B antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This 31B antibody has been pre-titrated and tested by flow cytometric analysis of in vitro differentiated mature dendritic cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

Higaki M, Higaki Y, Kawashima M. Increased expression of CD208 (DC-LAMP) in epidermal keratinocytes of psoriatic lesions. *J Dermatol.* 2009 Mar;36(3):144-9.

Movassagh M, Spatz A, Davoust J, Lebecque S, Romero P, Pittet M, Rimoldi D, Liénard D, Gugerli O, Ferradini L, Robert C, Avril MF, Zitvogel L, Angevin E. Selective accumulation of mature DC-Lamp+ dendritic cells in tumor sites is associated with efficient T-cell-mediated antitumor response and control of metastatic dissemination in melanoma. *Cancer Res.* 2004 Mar 15;64(6):2192-8.

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de Saint-Vis B, Vincent J, Vandenabeele S, Vanbervliet B, Pin JJ, Ait-Yahia S, Patel S, Mattei MG, Banchereau J, Zurawski S, Davoust J, Caux C, Lebecque S. A novel lysosome-associated membrane glycoprotein, DC-LAMP, induced upon DC maturation, is transiently expressed in MHC class II compartment. *Immunity*. 1998 Sep;9(3):325-36.

Related Products

00-5223 Fixation/Permeabilization Diluent

17-4724 Mouse IgG2a K Isotype Control APC

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