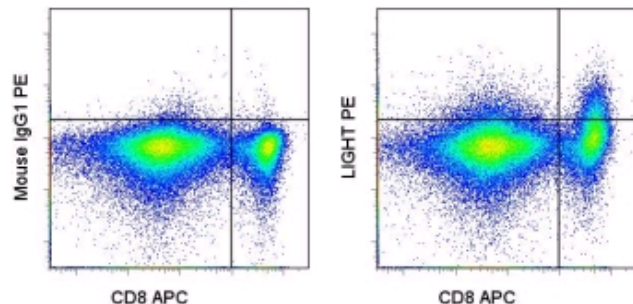


Anti-Human CD258 (LIGHT) PE

Catalog Number: 12-2589

RUO: For Research Use Only



Staining of PMA and Ionomycin stimulated normal human peripheral blood cells with Anti-Human CD8a APC (cat. 17-0088) and Mouse IgG1 κ Isotype Control PE (cat. 12-4714) (left) or Anti-Human CD258 (LIGHT) PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD258 (LIGHT) PE


REF Catalog Number: 12-2589

Clone: 7-3 (7)


Concentration: 5 μ l (0.25 μ g)/test


Host/Isotype: Mouse IgG1, κ

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.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

This 7-3 (7) monoclonal antibody reacts with human CD258 (also known as LIGHT), a 29-kDa type II transmembrane protein that is a member of the TNF ligand superfamily related to lymphotoxin- β (LT- β). Expressed on activated T cells, particularly CD8+ T cells, LIGHT plays a role in cell survival, inflammation, and tumor eradication. Furthermore, upon binding its ligand, herpesvirus entry mediator (HVEM), LIGHT induces a costimulatory effect on T cells, enhancing T cell proliferation and cytokine production. LIGHT has also been shown to indirectly interact with the LT- β receptor.

Applications Reported

This 7-3 (7) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 7-3 (7) antibody has been pre-titrated and tested by flow cytometric analysis on PMA- and ionomycin-stimulated normal human peripheral blood cells. This can be used at 5 μ l (0.25 μ g)/per test. A test is defined as the amount (μ g)/test 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 10^5 to 10^8 cells/test.

References

Cohavy O, Zhou J, Granger SW, Ware CF, Targan SR. LIGHT expression by mucosal T cells may regulate IFN-gamma expression in the intestine. J Immunol. 2004 Jul 1;173(1):251-8.

Mauri, D. N., R. Ebner, R. I. Montgomery, K. D. Kochel, T. C. Cheung, G. L. Yu, S. Ruben, M. Murphy, R. J. Eisenberg, G. H. Cohen, et al. LIGHT, a new member of the TNF superfamily, and lymphotoxin are ligands for herpesvirus entry mediator. 1998 Immunity 8: 21-30.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE

17-0088 Anti-Human CD8a APC (RPA-T8)

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com