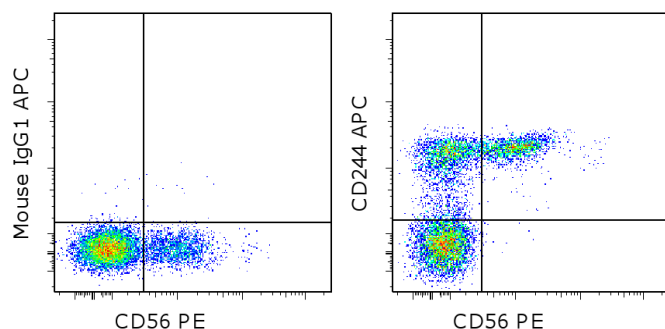


Anti-Human CD244 APC

Catalog Number: 17-5837

Also known as: 2B4, p38, SLAMF4

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



Staining of normal human peripheral blood cells with Anti-Human CD56 (NCAM) PE (cat. 12-0567) and Mouse IgG1 kappa Isotype Control APC (cat. 17-4714) (left) or Anti-Human CD244 APC (cat. 17-4714) (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD244 APC

Catalog Number: 17-5837

Clone: eBioDM244

Concentration: 5 μ L (0.125 μ g)/test

Host/Isotype: Mouse IgG1, 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

The eBioDM244 monoclonal antibody reacts with human CD244 (2B4, p38). In human, CD244 is a 38 kDa protein expressed on NK cells, a subset of CD8⁺ T cells, $\gamma\delta$ T cells, monocytes, basophils and eosinophils. Binding of the CD244 ligand, CD48, results in NK cell activation, unlike mouse CD244, which is an inhibitory receptor.

Applications Reported

This eBioDM244 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioDM244 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.125 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 10^5 to 10^8 cells/test.

References

Boles KS, Nakajima H, Colonna M, Chuang SS, Stepp SE, Bennett M, Kumar V, Mathew PA. Molecular characterization of a novel human natural killer cell receptor homologous to mouse 2B4. *Tissue Antigens*. 1999 Jul;54(1):27-34.

Tangye SG, Cherwinski H, Lanier LL, Phillips JH. 2B4-mediated activation of human natural killer cells. *Mol Immunol*. 2000 Jun;37(9):493-501.

Sivori S, Falco M, Marcenaro E, Parolini S, Biassoni R, Bottino C, Moretta L, Moretta A. Early expression of triggering receptors and regulatory role of 2B4 in human natural killer cell precursors undergoing in vitro differentiation. *Proc Natl Acad Sci U S A*. 2002 Apr 2;99(7):4526-31.

Related Products

12-0567 Anti-Human CD56 (NCAM) PE (CMSSB)

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17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

48-0088 Anti-Human CD8a eFluor[®] 450 (RPA-T8)