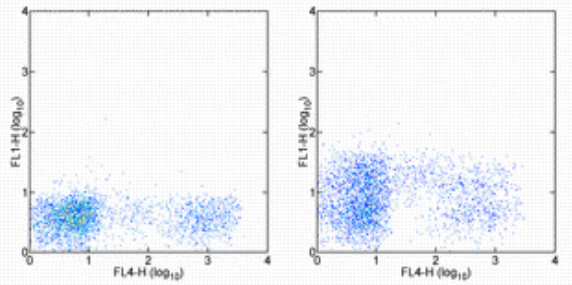
full spectrum cell analysis®
eBioscience®

Anti-Human CD244 FITC

Catalog Number: 11-2449
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 CD8a APC (cat. 17-0088) and Mouse IgG1 kappa Isotype Control FITC (cat. 11-4714) (left) or Anti-Human CD244 FITC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD244 FITC
REF **Catalog Number:** 11-2449
Clone: eBioPP35 (PP35)
Concentration: 5 uL (0.5 ug)/test
Host/Isotype: Mouse IgG1
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

The eBioPP35 monoclonal antibody reacts with human CD244, also known as 2B4, p38, NK-cell activation-inducing ligand, signaling lymphocyte activation molecule family member 4, and natural killer cell receptor 2B4. Human CD244 is a 38 kD protein expressed on NK cells, a subset of CD8+ T cells, γδ T cells, monocytes, basophils, mast cells, and eosinophils. Binding of CD244 to its ligand, CD48, results in NK cell activation. Costaining experiments with eBioC1.7 suggest that both antibodies recognize different epitopes.

Applications Reported

This eBioPP35 (PP35) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioPP35 (PP35) antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood cells. This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Moretta A, Bottino C, Tripodi G, Vitale M, Pende D, Morelli L, Augugliaro R, Barbaresi M, Ciccone E, Millo R, et al. Novel surface molecules involved in human NK cell activation and triggering of the lytic machinery. Int J Cancer Suppl. 1992;7:6-10. (**PP35**, mAb development, FA, PubMed)

Parolini S, Bottino C, Falco M, Augugliaro R, Giliani S, Franceschini R, Ochs HD, Wolf H, Bonnefoy JY, Biassoni R, Moretta L, Notarangelo LD, Moretta A. X-linked lymphoproliferative disease. 2B4 molecules displaying inhibitory rather than activating function are responsible for the inability of natural killer cells to kill Epstein-Barr virus-infected cells. J Exp Med. 2000 Aug 7;192(3):337-46. (**PP35**, FC, FA, PubMed)

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. (**PP35**, FC, PubMed)

Related Products

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.1)
11-5837 Anti-Human CD244 FITC (eBioDM244)
17-0088 Anti-Human CD8a APC (RPA-T8)

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