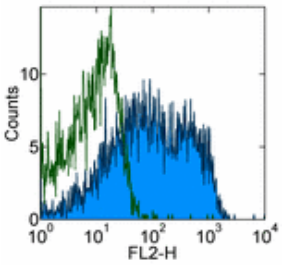
full spectrum cell analysis®
eBioscience®

Anti-Human CD49e (Integrin alpha 5) Purified

Catalog Number: 14-0496
Also Known As:Integrin a5, ITGA5, VLA5A
RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.25 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.25 µg of Anti-Human CD49e (Integrin α5) Purified (filled histogram) followed by Anti-Mouse IgG Biotin (cat. 13-4013) and Streptavidin PE (cat. 12-4317). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD49e (Integrin alpha 5) Purified
REF Catalog Number: 14-0496
Clone: eBioSAM-1 (SAM-1, SAM1)
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The eBioSAM-1 monoclonal antibody reacts with human integrin alpha 5, also known as fibronectin receptor alpha chain, very late activation antigen 5 alpha, and CD49e. Integrins are composed of an alpha chain and a beta chain, which non-covalently associate to form the functional integrin. Integrin heterodimers participate in cell surface-mediated signaling and adhesion functions. Integrin alpha 5 undergoes post-translational cleavage in its extracellular domain to yield disulfide linked light and heavy chains that join with Integrin beta 1 (CD29) to form the fibronectin receptor, also known as the very late activation antigen-5 (VLA-5) complex. Integrin alpha 5 is expressed on thymocytes, T cells, monocytes, platelets, early B cells, and activated B cells.

Applications Reported

This eBioSAM-1 (SAM-1, SAM1) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistochemical staining.

Applications Tested

This eBioSAM-1 (SAM-1, SAM1) antibody has been tested by flow cytometric analysis of human PBMCs. This can be used at less than or equal to 0.25 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Theodore PR, Simon AR, Warrens AN, Sackstein R, Sykes M. Porcine mononuclear cells adhere to human fibronectin independently of very late antigen-5: implications for donor-specific tolerance induction in xenotransplantation. Xenotransplantation. 2002 Jul;9(4):277-89. (SAM-1, FA, PubMed)

Related Products
11-4011 Anti-Mouse IgG FITC
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14-4714 Mouse IgG1 K Isotype Control Purified
17-4317 Streptavidin APC

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