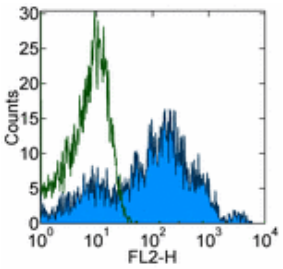
full spectrum cell analysis®
eBioscience®

Anti-Human/Mouse CD49f (Integrin alpha 6) Purified

Catalog Number: 14-0495
Also Known As:Integrin a6, ITGA6, VLA6
RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.25 µg of Rat IgG2a Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 µg of Anti-Human/Mouse CD49f (Integrin α6) Purified (filled histogram) followed by Anti-Rat IgG PE (cat. 12-4822). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human/Mouse CD49f (Integrin alpha 6) Purified
REF Catalog Number: 14-0495
Clone: eBioGoH3 (GoH3)
Concentration: 0.5 mg/ml
Host/Isotype: Rat IgG2a, κ

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 eBioGoH3 monoclonal antibody reacts with mouse and human CD49f, also known as integrin alpha 6, very late activation antigen 6 (VLA-6 alpha chain), and platelet gpIc. CD49f is a 120 kD transmembrane protein. CD49f associates with CD29, the integrin beta 1 chain, to form the VLA-6 complex; CD49f also associates with CD104, the integrin beta 4 chain, to form the alpha 6 beta 4 complex. CD49f is expressed primarily on T cells, monocytes, platelets, epithelial and endothelial cells. CD49f expression has also been found on germinal center B cells. The eBioGoH3 antibody is cross-reactive to integrin alpha 6 on human, mouse and bovine cells. This antibody has also been reported to have functional activity in blocking the binding of integrin alpha 6 to laminin.

Applications Reported

This eBioGoH3 (GoH3) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistology staining of frozen tissue sections.

Applications Tested

This eBioGoH3 (GoH3) antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Sonnenberg A, Daams H, Van der Valk MA, Hilkens J, Hilgers J. Development of mouse mammary gland: identification of stages in differentiation of luminal and myoepithelial cells using monoclonal antibodies and polyvalent antiserum against keratin. J Histochem Cytochem. 1986 Aug;34 (8):1037-46. (GoH3, FC, IH/F PubMed)

Aumailley M, Timpl R, Sonnenberg A. Antibody to integrin alpha 6 subunit specifically inhibits cell-binding to laminin fragment 8. Exp Cell Res. 1990 May;188(1):55-60. (GoH3, FA, PubMed)

Ambrose HE, Wagner SD. Alpha6-integrin is expressed on germinal centre B cells and modifies growth of a B-cell line. Immunology. 2004 Apr;111(4):400-6. (GoH3, FC, PubMed)

Related Products

11-4317 Streptavidin FITC
11-4811 Anti-Rat IgG FITC
12-4317 Streptavidin PE
13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4321 Rat IgG2a K Isotype Control Purified
17-4317 Streptavidin APC

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