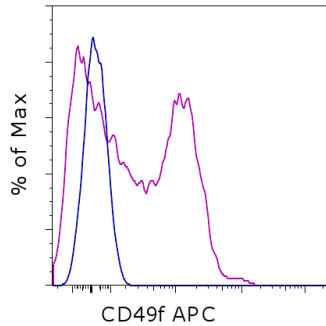


Anti-Human/Mouse CD49f (Integrin alpha 6) APC

Catalog Number: 17-0495

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



Staining of normal human peripheral blood cells with 0.06 ug of Rat IgG2a K Isotype Control APC (cat. 17-4321) (blue histogram) or 0.06 ug of Anti-Human/Mouse CD49f (Integrin alpha 6) APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human/Mouse CD49f (Integrin alpha 6) APC

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Clone: eBioGoH3 (GoH3)

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, 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 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 gplc. 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.

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 0.125 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 10⁵ to 10⁸ 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)

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Related Products

17-4321 Rat IgG2a K Isotype Control APC (eBR2a)

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