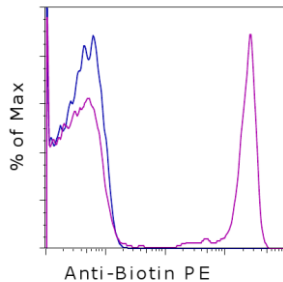


Anti-Biotin PE

Catalog Number: 12-9895

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



Normal human peripheral blood cells were stained with Anti-Human CD8a Biotin (cat. 13-0086) and subsequently with 0.125 μ g of Mouse IgG1 kappa Isotype Control PE (cat. 12-4714) (blue histogram) or 0.125 μ g of Anti-Biotin PE (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Biotin PE
Catalog Number: 12-9895
Clone: BK-1/39
Concentration: 0.2 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. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This BK-1/39 monoclonal antibody reacts with biotin, a B-complex vitamin. As a coenzyme, biotin is involved in the metabolism of fatty acids, amino acids, and gluconeogenesis. In the laboratory, biotin is used to tag molecules of interest for biochemical or cell biological studies. This monoclonal antibody can be used to detect biotinylated proteins and antibodies, particularly if signal amplification is desired.

Applications Reported

This BK-1/39 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This BK-1/39 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells stained with a biotin-conjugated antibody. This can be used at less than or equal to 0.25 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Zempleni J, Wijeratne SS, Hassan YI. Biotin. *Biofactors*. 2009 Jan-Feb;35(1):36-46.

Coene ED, Shaw MK, Vaux DJ. Anti-biotin antibodies offer superior organelle-specific labelling of mitochondria over avidin or streptavidin. *Methods Mol Biol*. 2008;418:157-70.

O'Shannessy DJ, Quarles RH. Specific conjugation reactions of the oligosaccharide moieties of immunoglobulins. *J Appl Biochem*. 1985 Aug-Oct;7(4-5):347-55.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)
13-0086 Anti-Human CD8a Biotin (OKT8 (OKT-8))
13-4120 Anti-Phycoerythrin Biotin (eBioPE-DLF)
13-4170 Anti-Allophycocyanin Biotin (eBioAPC-6A2)

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Anti-Biotin PE

Catalog Number: 12-9895

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51-3300 Anti-Fluorescein isothiocyanate (FITC) Alexa Fluor® 647 (To Be Discontinued. See Cat. No. 50-3300)
(FITC-9)

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