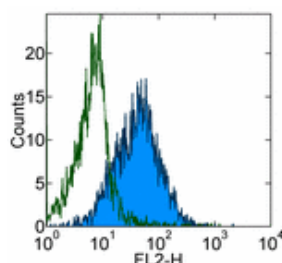


Anti-Human CD147 Purified

Catalog Number: 14-1472

Also Known As: Basigin, EMMPRIN

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 CD147 Purified (filled histogram) followed by F(ab')₂ Anti-Mouse IgG PE (cat. 12-4012). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD147 Purified

REF Catalog Number: 14-1472

Clone: 8D12

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The monoclonal antibody 8D12 recognizes CD147 which is a member of the immunoglobulin superfamily. It is also called EMMPRIN and basigin. CD147 has been characterized as a tumor cell collagenase stimulating molecule and has also been shown to have a role in cell adhesion. CD147 can be found in association with integrins α3β1 and α6β1 by co-immunoprecipitations. Additionally it is thought to play a role in T cell activation and thymocyte cycling. CD147 is expressed broadly on hematopoietic and non-hematopoietic cells, especially in tumor cells.

Applications Reported

This 8D12 antibody has been reported for use in flow cytometric analysis, and immunoprecipitation.

Applications Tested

This 8D12 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Kasinrerk W, Tokrasinwit N, Phunpae P. CD147 monoclonal antibodies induce homotypic cell aggregation of monocytic cell line U937 via LFA-1/ICAM-1 pathway. *Immunology*. 1999 Feb;96(2):184-92.

Zhou J, Zhu P, Jiang JL, Zhang Q, Wu ZB, Yao XY, Tang H, Lu N, Yang Y, Chen ZN. Involvement of CD147 in overexpression of MMP-2 and MMP-9 and enhancement of invasive potential of PMA-differentiated THP-1. *BMC Cell Biol*. 2005 May 17;6(1):25.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified

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