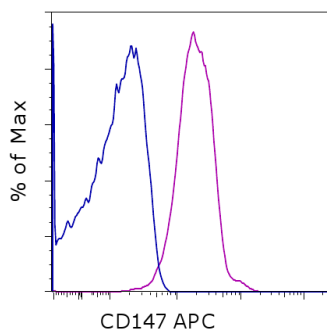


## Anti-Human CD147 APC

**Catalog Number:** 17-1472

**Also known as:** Basigin, EMMPRIN

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



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human CD147 APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Human CD147 APC

**Catalog Number:** 17-1472

**Clone:** 8D12

**Concentration:** 5 µL (0.5 µg)/test

**Host/Isotype:** Mouse IgG1, 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 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 alpha3 beta1 and alpha6 beta1 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.

### Applications Tested

This 8D12 antibody has been pre-titrated and tested by flow cytometric analysis on normal human peripheral blood cells. This can be used at 5 µL (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<sup>5</sup> to 10<sup>8</sup> cells/test.

### 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

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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