
Anti-Mouse CD147 FITC


Catalog Number: 11-1471

Also Known As: Basigin, EMMPRIN

RUO: For Research Use Only

Product Information

Contents: Anti-Mouse CD147 FITC


 Catalog Number: 11-1471

Clone: RL73

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. Do not freeze. Light sensitive material.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The RL73 monoclonal antibody reacts with mouse CD147, also known as Basigin. CD147 is expressed by a majority of thymocytes, activated peripheral T cells, erythrocytes and erythroblasts. It has been reported that CD147 expression correlates with cycling of immature thymocytes even in the absence of TCRβ selection and that ligation of this molecule on immature fetal thymocytes inhibits their further development into mature T cells.

Applications Reported

The RL73 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The RL73 antibody has been tested by flow cytometric analysis of mouse thymocyte cell suspensions. 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

MacDonald HR, Lees RK, Bron C. 1985. Cell surface glycoproteins involved in the stimulation of interleukin 1-dependent interleukin 2 production by a subline of EL4 thymoma cells. I. Functional characterization by monoclonal antibodies. *J Immunol.* 135(6):3944-50.

Renno T, Wilson A, Dunkel C, Coste I, Maisnier-Patin K, Benoit de Coignac A, Aubry JP, Lees RK, Bonnefoy JY, MacDonald HR, Gauchat JF. 2002. A role for CD147 in thymic development. *J Immunol.* 168(10):4946-50.

Coste I, Gauchat JF, Wilson A, Izui S, Jeannin P, Delneste Y, MacDonald HR, Bonnefoy JY, Renno T. 2001. Unavailability of CD147 leads to selective erythrocyte trapping in the spleen. *Blood.* 97(12):3984-8.

Related Products

11-4321 Rat IgG2a K Isotype Control FITC

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