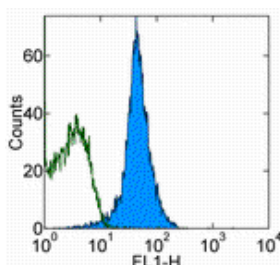


Anti-Mouse CD147 Purified

Catalog Number: 14-1471

Also Known As: Basigin, EMMPRIN

RUO: For Research Use Only



Staining of C57BL/6 thymocytes with 0.25 ug of Rat IgG2a K Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 ug of Anti-Mouse CD147 Purified (filled histogram) followed by Anti-Rat IgG FITC (cat. 11-4811). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD147 Purified

REF **Catalog Number:** 14-1471

Clone: RL73

Concentration: 0.5 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.



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 TCR beta 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, and immunoblotting (WB).

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

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4321 Rat IgG2a K Isotype Control Purified

17-4317 Streptavidin APC

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