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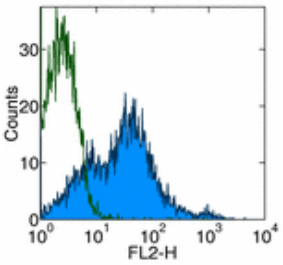
Anti-Mouse CD81 Purified

Catalog Number: 14-0811
Also Known As:TAPA-1, TAPA1
RUO: For Research Use Only



Surface staining of mouse splenocytes with Anti-Mouse CD81 Biotin followed by Streptavidin PE (cat. \lt{12-4317}). Autofluorescence is shown via open histogram. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD81 Purified
REF Catalog Number: 14-0811
Clone: Eat-2 (EAT2)
Concentration: 0.5 mg/ml
Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The Eat-2 (EAT2) monoclonal antibody reacts with mouse CD81, a molecule also known as TAPA-1. CD81 is expressed on $CD4^+CD8^+$ thymocytes and broadly in the periphery with high level expressed by B cells, NK cells, macrophages and dendritic cells and lower level on resting T cells. Activation of T cells induces upregulation of CD81. CD81 is involved in homotypic adhesion of B and T cells as well as costimulation of T cells. The Eat-2 antibody is reported to cross-react with rat CD81.

Applications Reported

The Eat-2 (EAT2) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunoblotting (WB).

Applications Tested

The Eat-2 (EAT2) antibody has been tested by flow cytometric analysis of mouse thymocyte and splenocyte 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 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

Maecker, H. T., S. C. Todd, et al. (2000). "Differential expression of murine CD81 highlighted by new anti-mouse CD81 monoclonal antibodies." Hybridoma 19(1): 15-22.

Related Products

11-4111 Anti-Armenian Hamster IgG FITC
11-4317 Streptavidin FITC
12-4317 Streptavidin PE
13-4113 Anti-Armenian Hamster IgG Biotin (Polyclonal)
14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)
17-4317 Streptavidin APC

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com