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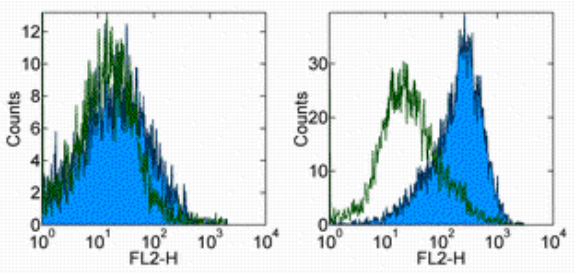
Anti-Mouse CD83 Purified

Catalog Number: 14-0831
Also Known As:HB15
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day unstimulated (left) and 3-day LPS-stimulated (right) BALB/c splenocytes with 0.25 ug of Rat Ig1 K Isotype Control Purified (cat. 14-4301) (open histogram) or 0.25 ug of Anti-Mouse CD83 Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD83 Purified
REF **Catalog Number:** 14-0831
Clone: Michel-17 (Michel17)
Concentration: 0.5 mg/mL
Host/Isotype: Rat IgG1
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 Michel-17 monoclonal antibody reacts with mouse CD83, a 45kDa cell surface glycoprotein and a member of the Ig superfamily. The mouse CD83 antigen is expressed predominantly on mature DC and activated lymphocytes. Cross-linking of CD83 with Michel-17 on DC or activated T cells does not induce any activation signal. CD83 plays an important role in T cell development through interaction with its ligand. CD83-Ig protein has revealed the presence of a CD83 ligand expressed mainly by $B220^+$ cells in mouse spleen.

Applications Reported

The Michel-17 (Michel17) antibody has been reported for use in flow cytometric analysis.

Applications Tested

The Michel-17 (Michel17) antibody has been tested by flow cytometric analysis of LPS activated mouse splenocytes. 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

Wolenski M, Cramer SO, Ehrlich S, Steeg C, Fleischer B, von Bonin A. Enhanced activation of CD83-positive T cells. 2003 Scand J Immunol. 58(3):306-11.

Wolenski M, Cramer SO, Ehrlich S, Steeg C, Grossschupff G, Tenner-Racz K, Racz P, Fleischer B, von Bonin A. Expression of CD83 in the murine immune system. Med Microbiol Immunol. 2003 Nov;192(4):189-92.

Cramer SO, Trumpfheller C, Mehlhoop U, More S, Fleischer B, von Bonin A. Activation-induced expression of murine CD83 on T cells and identification of a specific CD83 ligand on murine B cells.Int Immunol. 2000 Sep;12(9):1347-51.

Related Products

11-4811 Anti-Rat IgG FITC
12-4317 Streptavidin PE
13-4813 Anti-Rat IgG Biotin (Polyclonal)
14-4301 Rat IgG1 K Isotype Control Purified