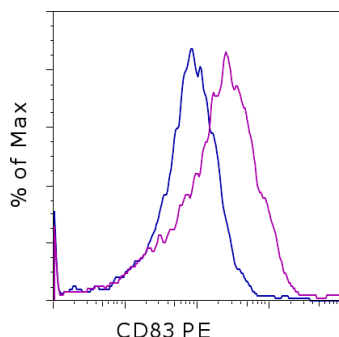


## Anti-Mouse CD83 PE

**Catalog Number:** 12-0831

**Also known as:** HB15

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



Staining of 3-day LPS-stimulated BALB/c splenocytes with 0.25 ug of Rat IgG1 K Isotype Control PE (cat. 12-4301) (blue histogram) or 0.25 ug of Anti-Mouse CD83 PE (purple histogram). Total viable cells were used for analysis.

### Product Information



**Contents:** Anti-Mouse CD83 PE

**Catalog Number:** 12-0831

**Clone:** Michel-17 (Michel17)

**Concentration:** 0.2 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. Do not freeze. Light sensitive material.



**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<sup>+</sup> 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<sup>5</sup> to 10<sup>8</sup> 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

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12-4301 Rat IgG1 K Isotype Control PE