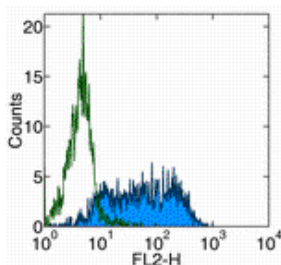


Anti-Rat CD80 (B7-1) PE

Catalog Number: 12-0800

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



Staining of LPS-stimulated rat splenocytes with staining buffer (autofluorescence) (open histogram) or 0.25 µg of Anti-Rat CD80 (B7-1) PE (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Rat CD80 (B7-1) PE


REF **Catalog Number:** 12-0800

Clone: 3H5

Concentration: 0.2 mg/mL


Host/Isotype: Mouse IgG1, kappa

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.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The 3H5 monoclonal antibody reacts with rat CD80 (B7-1), an ~70 kDa member of the Ig superfamily. CD80 is expressed by macrophages, dendritic cells and activated B cells. CD80 has high affinity for binding to two T cell surface antigens, CD28 and CD152 (CTLA-4). The interaction of CD28 and CD152 with CD80 is crucial in T-B cell communication leading to activation of T and B cells, respectively. 3H5 blocks binding of CD80 to its ligands.

Applications Reported

The 3H5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 3H5 antibody has been tested by flow cytometric analysis of activated rat 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Damoiseaux JG, Yagita H, Okumura K, van Breda Vriesman PJ. Costimulatory molecules CD80 and CD86 in the rat; tissue distribution and expression by antigen-presenting cells. *J Leukoc Biol.* 1998 Dec;64(6):803-9.

Maeda K, Sato T, Azuma M, Yagita H, Okumura K. Characterization of rat CD80 and CD86 by molecular cloning and mAb. *Int Immunol.* 1997 Jul;9(7):993-1000.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

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