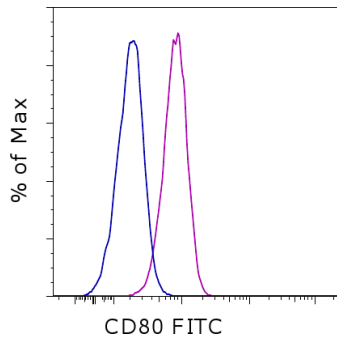


Anti-Human CD80 (B7-1) FITC

Catalog Number: 11-0809

Also known as: B71, BB1

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



Staining of the Daudi cell line with Mouse IgG1 kappa Isotype Control FITC (cat. 11-4714) (blue histogram) or Anti-Human CD80 (B7-1) FITC (purple histogram). Total viable cells were used for analysis.

Product Information



Contents: Anti-Human CD80 (B7-1) FITC

Catalog Number: 11-0809

Clone: 2D10.4

Concentration: 5 μ L (1 μ g)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: VI B-CD80.1



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 2D10.4 monoclonal antibody reacts with human CD80 (B7-1), a 60 kDa member of the Ig superfamily. CD80 is expressed by activated B cells, macrophages and dendritic cells. In addition, activated T cells express this antigen. 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.

Applications Reported

The 2D10.4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 2D10.4 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 μ L (1 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Bashuda, H., Kimikawa, M., Seino, K., Kato, Y., Ono, F., Shimizu, A., Yagita, H., Teraoka, S., and K. Okumura. 2005. Renal allograft rejection is prevented by adoptive transfer of anergic T cells in nonhuman primates. *J Clin Invest.* 115:1896-1902. (2D10.4, FA, PubMed)

Kishimoto, T., A.E.G., von dem Borne, et al. eds. 1998. *Leucocyte Typing VI: White Cell Differentiation Antigens.* Garland Publishing Inc. London.

Related Products

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)

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