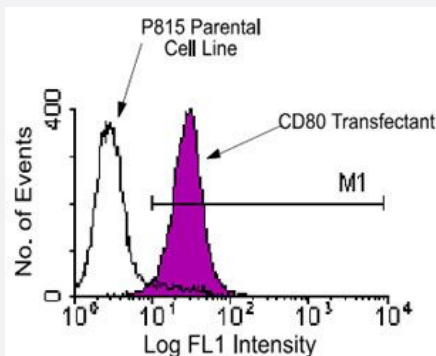


Cd80 monoclonal antibody, clone 1G10 (Biotin)

Catalog # MAB5949 Size 500 ug

Applications



Flow Cytometry

P815 cells transfected with Cd80 or non-transfected P815 control cells were stained with Cd80 monoclonal antibody, clone 1G10 (FITC) (Cat # MAB5948). Large cells were then gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Specification

Product Description	Rat monoclonal antibody raised against native Cd80.
Immunogen	Native purified Cd80 from dibutyryl cAMP-activated 5C2 cells.
Host	Rat
Reactivity	Mouse
Specificity	Specificity Mouse CD80 (B7-1), Mr 45-47 KDa
Form	Liquid
Conjugation	Biotin
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (1 ug/10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

Storage Instruction

Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunoprecipitation
- Flow Cytometry

P815 cells transfected with Cd80 or non-transfected P815 control cells were stained with Cd80 monoclonal antibody, clone 1G10 (FITC) (Cat # MAB5948). Large cells were then gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Gene Info — Cd80

Entrez GeneID [12519](#)

Gene Name Cd80

Gene Alias B7-1, B7.1, Cd28l, Ly-53, Ly53, MIC17, TS/A-1

Gene Description CD80 antigen

Gene Ontology [Hyperlink](#)

Other Designations B7 protein

Publication Reference

- [Costimulation of IL-4 production by murine B7-1 and B7-2 molecules.](#)

Natesan M, Razi-Wolf Z, Reiser H.

Journal of Immunology 1996 Apr; 156(8):2783.

Application: Flow Cyt, Mouse, CHO cells

- [Comparative analysis of B7-1 and B7-2 costimulatory ligands: expression and function.](#)

Hathcock KS, Laszlo G, Pucillo C, Linsley P, Hodes RJ.

The Journal of Experimental Medicine 1994 Aug; 180(2):631.

- [Signalling through the MHC class II cytoplasmic domain is required for antigen presentation and induces B7 expression.](#)

Nabavi N, Freeman GJ, Gault A, Godfrey D, Nadler LM, Glimcher LH.

Nature 1992 Nov; 360(6401):266.

Application: Flow Cyt, Mouse, 5C2 cells