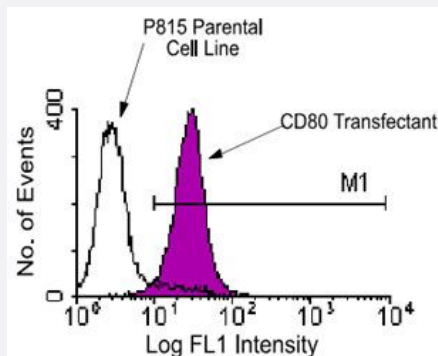


# Cd80 monoclonal antibody, clone 1G10 (APC)

Catalog # MAB5951      Size 100 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

<b>Product Description</b>	Rat monoclonal antibody raised against native Cd80.
<b>Immunogen</b>	Native purified Cd80 from dibutyryl cAMP-activated 5C2 cells.
<b>Host</b>	Rat
<b>Reactivity</b>	Mouse
<b>Specificity</b>	Specificity Mouse CD80 (B7-1), Mr 45-47 KDa
<b>Form</b>	Liquid
<b>Conjugation</b>	APC
<b>Isotype</b>	IgG2a, kappa
<b>Recommend Usage</b>	Flow Cytometry (0.2 ug/10 <sup>6</sup> cells) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	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