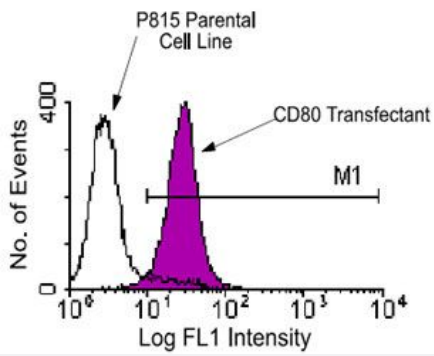
# Cd80 monoclonal antibody, clone 1G10 (PE)

Catalog # MAB5950 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

| | |
|---|---|
| **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** | PE |
| **Isotype** | IgG2a, kappa |
| **Recommend Usage** | Flow Cytometry (0.2 ug/$10^6$ cells)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.09% sodium azide) |

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| | |
|---|---|
| **Storage Instruction** | Store in the dark at 4°C. Do not freeze.<br>Avoid prolonged exposure to light.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## 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).

- Immunoprecipitation

## 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

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- 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

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