

CD80 (B7-1) Monoclonal Antibody (16-10A1), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Dog, Mouse, Pig
Published Species	Mouse
Host/Isotope	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	16-10A1
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_469417

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.06 µg/test	55 Publications

Product Specific Information

Description: The 16-10A1 monoclonal antibody reacts with mouse CD80 (B7-1), a 55 kDa member of the Ig superfamily. CD80 is expressed by macrophages, dendritic cells and activated B 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.

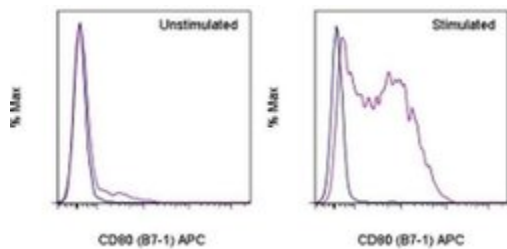
Applications Reported: The 16-10A1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 16-10A1 antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.06 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD80 (B7-1) Monoclonal Antibody (16-10A1), APC, eBioscience™



CD80 (B7-1) Antibody (17-0801-82) in Flow

Mouse splenocytes were unstimulated (left) or stimulated for 2 days with F(ab')₂ Anti-Mouse IgM, u chain specific Functional Grade Purified (Product # 16-5092-85) and Anti-Mouse CD40 Functional Grade Purified (Product # 16-0401-82) (right). Cells were then stained with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and 0.03 µg of Armenian Hamster IgG Isotype Control APC (Product # 17-4888-82) (blue histogram) or 0.03 µg of Anti-Mouse CD80 (B7-1) APC (purple histogram). Cell in the CD45R (B220) positive gate were used for analysis.

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55 References

Flow Cytometry (55)

Frontiers in immunology

FcRI -Chain Negatively Modulates Dectin-1 Responses in Dendritic Cells.

"Published figure using CD80 (B7-1) monoclonal antibody (Product # 17-0801-82) in Flow Cytometry"

Authors: Pan YG,Yu YL,Lin CC,Lanier LL,Chu CL

Species

Not Applicable

Dilution

Not Cited

Year

2019

Frontiers in physiology

miR-21 Protects Against Ischemia/Reperfusion-Induced Acute Kidney Injury by Preventing Epithelial Cell Apoptosis and Inhibiting Dendritic Cell Maturation.

Authors: Song N,Zhang T,Xu X,Lu Z,Yu X,Fang Y,Hu J,Jia P,Teng J,Ding X

Species

Mouse

Dilution

Not Cited

Year

2019

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