

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

Product Details	
Size	500 µg
Species Reactivity	Dog, Mouse, Pig
Published Species	Mouse, Human
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	16-10A1
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465134

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	110 Publications
Neutralization (Neu)	-	1 Publication
Inhibition Assays (IA)	-	1 Publication
In vitro Assay (IV)	-	1 Publication

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.

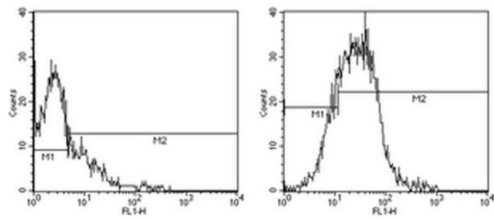
Applications Reported: The 16-10A1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 16-10A1 antibody has been tested by flow cytometric analysis of activated mouse splenocytes. This can be used at less than or equal to 0.25 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD80 (B7-1) Antibody (11-0801-85) in Flow
Staining of unstimulated (left) or 3-day LPS-stimulated (right) C57BL/6 splenocytes with 0.125 µg of Anti-Mouse CD80 (B7-1) FITC. Total viable cells were used for analysis. Markers were set based on the autofluorescence sample.

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Immunohistochemistry (3)

Experimental and therapeutic medicine	Year 2021
Receptor-selective interleukin-4 mutein attenuates laser-induced choroidal neovascularization through the regulation of macrophage polarization in mice.	
"Published figure using CD80 (B7-1) monoclonal antibody (Product # 11-0801-82) in Immunocytochemistry"	
Authors: Gao L,Jiang W,Liu H,Chen Z,Lin Y	
Molecular medicine reports	Year 2017
Different distributions of M1 and M2 macrophages in a mouse model of laser-induced choroidal neovascularization.	Species Mouse
Authors: Zhou Y,Yoshida S,Kubo Y,Yoshimura T,Kobayashi Y,Nakama T,Yamaguchi M,Ishikawa K,Oshima Y,Ishibashi T	Dilution 1:200

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Immunocytochemistry (1)

Life (Basel, Switzerland)	Year 2022
Bim Expression Promotes the Clearance of Mononuclear Phagocytes during Choroidal Neovascularization, Mitigating Scar Formation in Mice.	
"Published figure using CD80 (B7-1) monoclonal antibody (Product # 11-0801-82) in Immunocytochemistry"	
Authors: Wang S,Zaitoun IS,Darjatmoko SR,Sheibani N,Sorenson CM	

Flow Cytometry (110)

Cell death discovery	Year 2023
Establishment of bone marrow-derived M-CSF receptor-dependent self-renewing macrophages.	Species Mouse
"11-0801 was used in Flow cytometry/Cell sorting to show the presence of adult bone marrow-derived macrophages that retain self-renewing capacity."	
Authors: Nasser H,Adhikary P,Abdel-Daim A,Noyori O,Panaampon J,Kariya R,Okada S,Ma W,Baba M,Takizawa H,Yamane M,Niwa H,Suzu S	

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More applications with references on thermofisher.com

- Neu (1)
- IA (1)
- IV (1)

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