CD86 (B7-2) Monoclonal Antibody (IT2.2), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	IT2.2
Conjugate	Biotin
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_466529

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	15 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

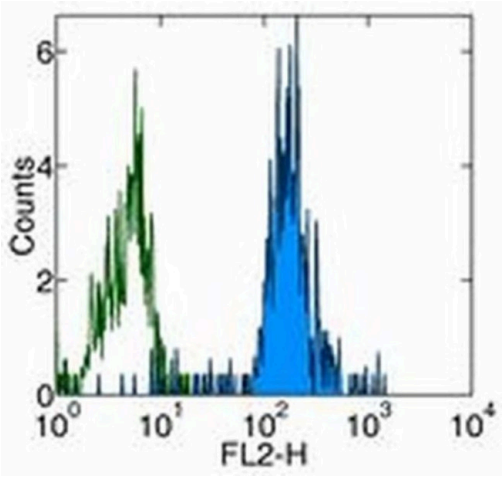
Description: The IT2.2 monoclonal antibody reacts with human CD86, an ~80 kDa surface receptor also known as B7-2. CD86 and CD80 are members of the B7 family of costimulatory molecules. CD86 is expressed at low levels on B cells, macrophages, and dendritic cells and is upregulated on B cells through a variety of surface stimuli including the BCR complex, CD40 and some cytokine receptors. In addition to CD80 (B7-1), CD86 is a counter-receptor for the T cell surface molecules CD28 and CD152 (CTLA-4). The interaction of CD86 with its ligands plays a critical role in T-B crosstalk, T cell costimulation, autoantibody production and Th2-mediated Ig production. The kinetics of upregulation of CD86 upon stimulation supports its major contribution during the primary phase of an immune response.

Applications Reported: The IT2.2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The IT2.2 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.5 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.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD86 (B7-2) Monoclonal Antibody (IT2.2), Biotin, eBioscience™



CD86 (B7-2) Antibody (13-0869-82) in Flow
Staining of normal human peripheral blood cells withAnti-Human CD86 (B7-2) PE. Appropriate isotype controls were used (open histogram). Cells in the monocyte population were used for analysis.

View more figures on thermofisher.com

17 References

Immunocytochemistry (1)

Biochemistry and biophysics reports

Pentraxin-3 regulates the inflammatory activity of macrophages.

"Published figure using CD86 (B7-2) monoclonal antibody (Product # 13-0869-82) in Immunocytochemistry"

Authors: Shiraki A,Kotooka N,Komoda H,Hirase T,Oyama JI,Node K

Year
2016

Species
Human

Flow Cytometry (15)

PeerJ

SARS-CoV-2 Delta (B.1.617.2) variant replicates and induces syncytia formation in human induced pluripotent stem cell-derived macrophages.

"Published figure using CD86 (B7-2) monoclonal antibody (Product # 13-0869-82) in Flow Cytometry"

Authors: Thaweerattanasinp T,Wanitchang A,Saenboonrueng J,Srisutthisamphan K,Wanasen N,Sungsuwan S, Jongkaewwattana A,Chailangkarn T

Year
2023

Cells

TcpC Inhibits M1 but Promotes M2 Macrophage Polarization via Regulation of the MAPK/NF-B and Akt/STAT6 Pathways in Urinary Tract Infection.

"Published figure using CD86 (B7-2) monoclonal antibody (Product # 13-0869-82) in Flow Cytometry"

Authors: Fang J,Ou Q,Wu B,Li S,Wu M,Qiu J,Cen N,Hu K,Che Y,Ma Y,Pan J

Year
2022

View more Flow references on thermofisher.com

Neutralization (1)

PLoS pathogens

Pomalidomide restores immune recognition of primary effusion lymphoma through upregulation of ICAM-1 and B7-2.

"Published figure using CD86 (B7-2) monoclonal antibody (Product # 13-0869-82) in Neutralization"

Authors: Shrestha P,Davis DA,Jaeger HK,Stream A,Aisabor AI,Yarchoan R

Year
2021

More applications with references on thermofisher.com

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