

CD86 (B7-2) Monoclonal Antibody (GL1), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	GL1
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_469419

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.06 µg/test	64 Publications

Product Specific Information

Description: The GL1 monoclonal antibody reacts with mouse 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 level 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. CD86 is also expressed by activated mouse T cells and thioglycolate-elicited peritoneal cells. In addition to CD80 (B7-1), CD86 is a counter-receptor for the T cell surface molecules CD28 and CD152 (CTLA-4). This interaction 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.

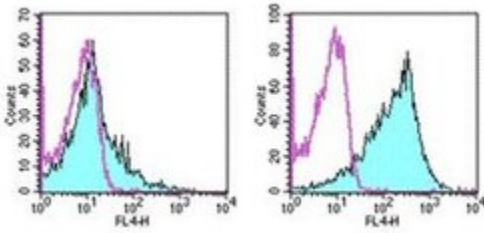
Applications Reported: The GL1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The GL1 antibody has been tested by flow cytometric analysis of resting and activated 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 CD86 (B7-2) Monoclonal Antibody (GL1), APC, eBioscience™



CD86 (B7-2) Antibody (17-0862-82) in Flow

Staining of unstimulated (left) or 3-day LPS-stimulated (right) C57BL/6 splenocytes with 0.03 µg of Rat IgG2a kappa Isotype Control APC (Product # 17-4321-81) (open histogram) or 0.03 µg of Anti-Mouse CD86 (B7-2) APC (filled histogram). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

64 References

Flow Cytometry (64)

Frontiers in pharmacology

Ginsenoside Rg3 Mitigates Atherosclerosis Progression in Diabetic apoE^{-/-} Mice by Skewing Macrophages to the M2 Phenotype.

"Published figure using CD86 (B7-2) monoclonal antibody (Product # 17-0862-82) in Flow Cytometry"

Authors: Guo M, Xiao J, Sheng X, Zhang X, Tie Y, Wang L, Zhao L, Ji X

Species

Not Applicable

Dilution

Not Cited

Year

2019

Frontiers in immunology

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

"Published figure using CD86 (B7-2) monoclonal antibody (Product # 17-0862-82) in Flow Cytometry"

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

Species

Not Applicable

Dilution

Not Cited

Year

2019

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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