

CD83 Monoclonal Antibody (Michel-17 (Michel17)), eFluor™ 660, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG1
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), eFluor™ 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Michel-17 (Michel17)
Conjugate	eFluor™ 660
Excitation/Emission Max	651/668 nm
Form	Liquid
Concentration	0.2 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_10609344

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	3 Publications

Product Specific Information

Description: The Michel-17 monoclonal antibody reacts with mouse CD83, a 45kDa cell surface glycoprotein and a member of the Ig superfamily. The mouse CD83 antigen is expressed predominantly on mature DC and activated lymphocytes. Cross-linking of CD83 with Michel-17 on DC or activated T cells does not induce any activation signal. CD83 plays an important role in T cell development through interaction with its ligand. CD83-Ig protein has revealed the presence of a CD83 ligand expressed mainly by B220+ cells in mouse spleen.

Applications Reported: This Michel-17 (Michel17) antibody has been reported for use in flow cytometric analysis.

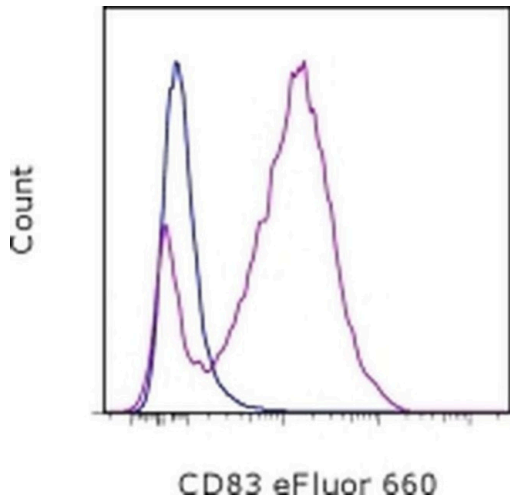
Applications Tested: This Michel-17 (Michel17) antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Excitation: 633-647 nm; **Emission:** 668 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD83 Monoclonal Antibody (Michel-17 (Michel17)), eFluor™ 660, eBioscience™



CD83 Antibody (50-0831-82) in Flow
Staining of 3-day LPS-stimulated BALB/c splenocytes with 0.125 µg of Rat IgG1 K Isotype Control eFluor® 660 (Product # 50-4301-82) (blue histogram) or 0.125 µg of Anti-Mouse CD83 eFluor® 660 (purple histogram). Total viable cells were used for analysis.

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3 References

Flow Cytometry (3)

American journal of translational research	
Thiol peroxiredoxin, a novel allergen from <i>Bombyx mori</i>, modulates functions of macrophages and dendritic cells.	
"Published figure using CD83 monoclonal antibody (Product # 50-0831-82) in Flow Cytometry"	
Authors: Wang H,Hu W,Liang Z,Zeng L,Li J,Yan H,Yang P,Liu Z,Wang L	
Year 2020	
Scientific reports	
Der f 31, a novel allergen from <i>Dermatophagoides farinae</i>, activates epithelial cells and enhances lung-resident group 2 innate lymphoid cells.	
"Published figure using CD83 monoclonal antibody (Product # 50-0831-82) in Flow Cytometry"	
Authors: Wang H,Lin J,Zeng L,Ouyang C,Ran P,Yang P,Liu Z	
Year 2017	

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

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