

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

| Product Details | |
|-----------------------------|--|
| Size | 100 µg |
| Species Reactivity | Mouse |
| Published Species | Mouse |
| Host/Isotype | Rat / IgG1 |
| Recommended Isotype Control | Rat IgG1 kappa Isotype Control (eBRG1), FITC, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | Michel-17 (Michel17) |
| 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_465141 |

| Applications | Tested Dilution | Publications |
|-----------------------|-----------------|----------------|
| Flow Cytometry (Flow) | 0.5 µg/test | 8 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.

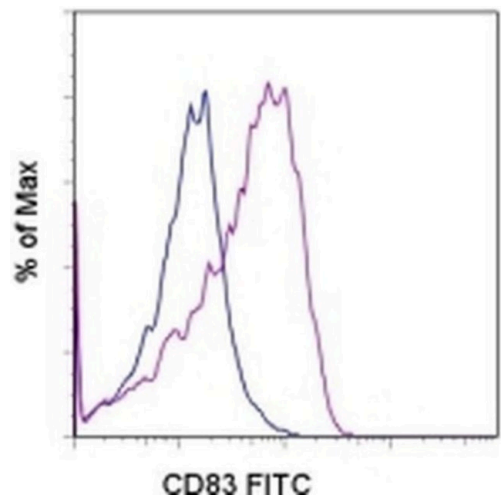
Applications Reported: This Michel-17 (Michel17) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This Michel-17 (Michel17) antibody has been tested by flow cytometric analysis of LPS-activated mouse splenocytes. 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 10⁵ to 10⁸ 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 CD83 Monoclonal Antibody (Michel-17 (Michel17)), FITC, eBioscience™



CD83 Antibody (11-0831-82) in Flow
Staining of 3-day LPS-stimulated (right) C57BL/6 splenocytes with 0.25 µg of FITC Rat IgG1 K Isotype Control (Product # 11-4301-82) (blue histogram) or 0.25 µg of Anti-Mouse CD83 FITC (purple histogram). Total viable cells were used for analysis.

View more figures on thermofisher.com

8 References

Flow Cytometry (8)

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|---|--|--------------|
| American journal of translational research | | Year 2020 |
| Thiol peroxiredoxin, a novel allergen from <i>Bombyx mori</i> , modulates functions of macrophages and dendritic cells. | | |
| "Published figure using CD83 monoclonal antibody (Product # 11-0831-82) in Flow Cytometry" | | |
| Authors: Wang H,Hu W,Liang Z,Zeng L,Li J,Yan H,Yang P,Liu Z,Wang L | | |
| | | |
| Frontiers in molecular neuroscience | | Year 2020 |
| Increased White Matter Inflammation in Aging- and Alzheimer's Disease Brain. | | |
| "11-0831 was used in Flow cytometry/Cell sorting to indicate that microglia-induced neuroinflammation is predominant in the white matter of aging mice and humans as well as in EOAD brains." | | |
| Authors: Raj D,Yin Z,Breur M,Doorduyn J,Holtman IR,Olah M,Mantingh-Otter IJ, Van Dam D,De Deyn PP,den Dunnen W,Eggen BJL,Amor S,Boddeke E | | |

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

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