

c-MAF Monoclonal Antibody (sym0F1), eFluor™ 660, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), eFluor™ 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	sym0F1
Conjugate	eFluor™ 660
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_2574388

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	4 Publications

Product Specific Information

Description: The sym0F1 monoclonal antibody reacts with human and mouse c-Maf, a 42 kDa basic leucine zipper transcription factor shown to be involved in the neural, ocular and hematopoietic systems. In hematopoietic cells, it was first shown to be crucial for IL-4 expression in Th2 and was the first transcription factor believed to be Th subset-specific. More recent evidence shows that specific phospho-tyrosine residues lead to upregulation of IL-4. c-Maf has also been shown to be important to differentiation and function in both Th17 and Tfh cells. It drives expression of IL-21 in both cell types, while promoting expression of IL-23R in Th17 and CXCR5 in Tfh as well.

Applications Reported: This sym0F1 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

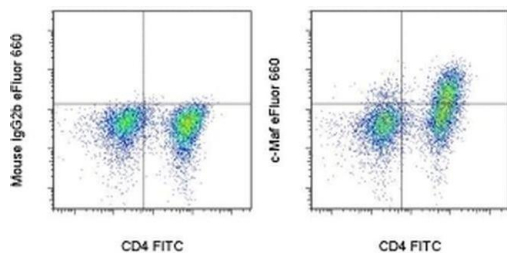
Applications Tested: This sym0F1 antibody has been tested by intracellular staining followed by flow cytometric analysis of TCR-activated mouse splenocytes using the Foxp3/Transcription Factor Buffer Set and protocol. Please see Best Protocols Section (Staining intracellular Antigens for Flow Cytometry) for staining protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins. This can be used at less than or equal to 0.125 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 fluorochrome.

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

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For c-MAF Monoclonal Antibody (sym0F1), eFluor™ 660, eBioscience™



c-MAF Antibody (50-9855-82) in Flow

Intracellular staining of 3-day Th17-polarized mouse splenocytes with Anti-Mouse CD4 FITC (Product # 11-0042-82) and 0.06 µg of Mouse IgG2b K Isotype Control eFluor® 660 (Product # 50-4732-82) (left) or 0.06 µg of Anti-Human/Mouse c-Maf eFluor® 660 (right) using the Foxp3/Transcription Factor Buffer Set (Product # 00-5523-00). Cells in the lymphocyte gate were used for analysis.

4 References

Flow Cytometry (4)

JCI insight

C5aR1 regulates T follicular helper differentiation and chronic graft-versus-host disease bronchiolitis obliterans.

"Published figure using c-MAF monoclonal antibody (Product # 50-9855-82) in Flow Cytometry"

Authors: Vergheze DA, Chun N, Paz K, Fribourg M, Woodruff TM, Flynn R, Hu Y, Xiong H, Zhang W, Yi Z, Du J, Blazar BR, Heeger PS

Species
Not Applicable

Dilution
Not Cited

Year
2018

Nature immunology

An immunoregulatory and tissue-residency program modulated by c-MAF in human T_H17 cells.

"50-9855 was used in Flow cytometry/Cell sorting to identify c-MAF as a relevant factor that drives two highly divergent post-activation fates of human TH17 cells."

Authors: Aschenbrenner D, Foglierini M, Jarrossay D, Hu D, Weiner HL, Kuchroo VK, Lanzavecchia A, Notarbartolo S, Sallusto F

Species
Human

Dilution
Not Cited

Year
2018

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

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