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.

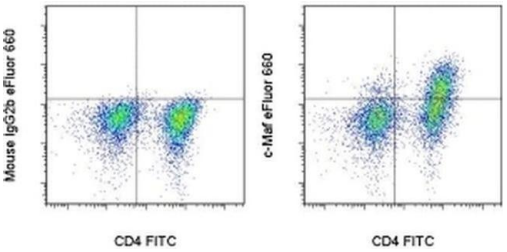
Applications Tested: This sym0F1 antibody has been tested by intracellular staining followed by flow cytometric analysis of TCR-activated mouse splenocytes using the Foxp3/Transcription Factor Buffer Set and protocol. Please see Best Protocols Section (Staining intracellular Antigens for Flow Cytometry) 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 10^5 to 10^8 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 fluorochome.

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: Verghese 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