

# c-MAF Monoclonal Antibody (sym0F1), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	sym0F1
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
Immunogen	Full-length E. coli-produced c-Maf
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573908

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.0075 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 flow cytometric analysis.

**Applications Tested:** This sym0F1 antibody has been pre-titrated and tested by intracellular staining followed by flow cytometric analysis of Th17-polarized 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 5 µL (0.0075 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<sup>5</sup> to 10<sup>8</sup> cells/test.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5.

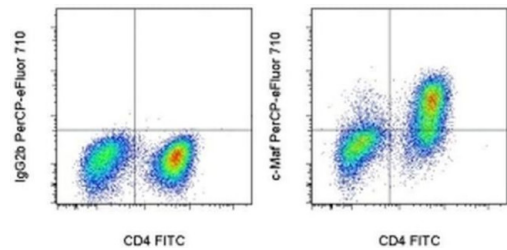
We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For c-MAF Monoclonal Antibody (sym0F1), PerCP-eFluor™ 710, eBioscience™



**c-MAF Antibody (46-9855-42) in Flow**  
Staining of 3-day Th17-polarized mouse splenocytes with Anti-Mouse CD4 FITC (Product # 11-0042-82) and Mouse IgG2b K Isotype Control PerCP-eFluor® 710 (Product # 46-4732-82) (left) or Anti-Human/Mouse c-Maf PerCP-eFluor® 710 (right) using the Foxp3/Transcription Factor Buffer Set and protocol. Cells in the lymphocyte gate were used for analysis.

View more figures on [thermofisher.com](https://thermofisher.com)

4 References

Flow Cytometry (4)

<p>Journal of cell science</p> <p><b>GM-CSF-activated human dendritic cells promote type 1 T follicular helper cell polarization in a CD40-dependent manner.</b></p> <p>"Published figure using c-MAF monoclonal antibody (Product # 46-9855-42) in Flow Cytometry"</p> <p>Authors: Korniotis S,Saichi M,Trichot C,Hoffmann C,Amblard E,Viguier A,Grondin S,Noel F,Mattoo H,Soumelis V</p>	<p>Year</p> <p>2022</p>
<p>JCI insight</p> <p><b>C5aR1 regulates T follicular helper differentiation and chronic graft-versus-host disease bronchiolitis obliterans.</b></p> <p>"Published figure using c-MAF monoclonal antibody (Product # 46-9855-42) in Flow Cytometry"</p> <p>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</p>	<p>Year</p> <p>2018</p>

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