

c-MAF Monoclonal Antibody (sym0F1), PE-Cyanine7, eBioscience™

| Product Details | |
|-----------------------------|---|
| Size | 100 µg |
| Species Reactivity | Human, Mouse |
| Host/Isotype | Mouse / IgG2b, kappa |
| Recommended Isotype Control | Mouse IgG2b kappa Isotype Control (eBMG2b), PE-Cyanine7, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | sym0F1 |
| Conjugate | PE-Cyanine7 |
| 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_2811795 |

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

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 tested by flow cytometric analysis of stimulated mouse splenocytes using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Please refer to "Staining Intracellular Antigens for Flow Cytometry, Protocol B: One step protocol for intracellular (nuclear) proteins" located at www.thermofisher.com/flowprotocols. This may 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.

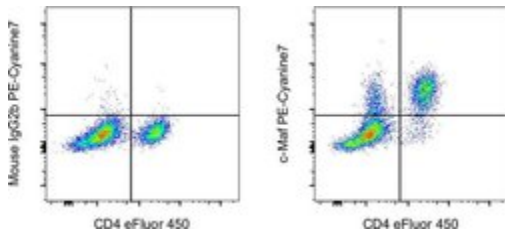
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) 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: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser

Product Images For c-MAF Monoclonal Antibody (sym0F1), PE-Cyanine7, eBioscience™



c-MAF Antibody (25-9855-82) in Flow

3-day Th17-polarized BALB/c mouse splenocytes were intracellularly stained, using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol, with CD4 Monoclonal Antibody, eFluor 450 (Product # 48-0041-82) and 0.25 µg of Mouse IgG2b kappa Isotype Control, PE-Cyanine7 (Product # 25-4732-81) (left) or 0.25 µg of c-Maf Monoclonal Antibody, PE-Cyanine7 (right). Total viable cells were used for analysis, as determined by Fixable Viability Dye eFluor 780 (Product # 65-0865-18).

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