

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human c-Maf in direct ELISA and Western Blot.
Source	Monoclonal Mouse IgG _{2B} Clone # 883926
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human c-Maf Met1-Phe372 Accession # O75444
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

c-Maf is an approximately 40 kDa transcriptional regulator that contains one bZIP domain. It can associate into homodimers and heterodimers with other basic leucine zipper transcription factors. c-Maf plays an important role in fetal erythropoiesis, lens development, mechanosensory neuron development, and the differentiation of chondrocytes and osteoblasts. In the pancreas, c-Maf promotes the transcription of glucagon in alpha cells and insulin in beta cells. In immune cells, it controls Th17 and Treg differentiation by regulating the transcription of IL-4, IL-12 p35, IL-21, IL-22, and GM-CSF. Human c-Maf shares 97% amino acid sequence identity with mouse and rat c-Maf. Alternative splicing of human c-Maf generates a long isoform with a 30 aa substitution for the C-terminal methionine.

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