

# c-Myc Monoclonal Antibody (9E10)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Tag, Yeast, Rat, Non-human primate, Hamster, Plant, Human, Mouse, Xenopus
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	9E10
Conjugate	Unconjugated
Immunogen	Synthetic peptide A(408) E E Q K L I S E E D L L R K R R E Q L K H K L E Q L R N S C A(438) of human c-Myc.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_558470

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	124 Publications
Immunohistochemistry (IHC)	-	13 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:1,000	5 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	1:50-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:500	37 Publications
Flow Cytometry (Flow)	1:50-1:200	7 Publications
ELISA (ELISA)	Assay-dependent	2 Publications
Immunoprecipitation (IP)	Assay-dependent	35 Publications
ChIP assay (ChIP)	Assay-dependent	8 Publications
Functional Assay (FN)	-	1 Publication
in situ PLA (PLA)	-	1 Publication
In vitro Assay (IV)	-	1 Publication
Miscellaneous PubMed (Misc)	-	2 Publications

## Product Specific Information

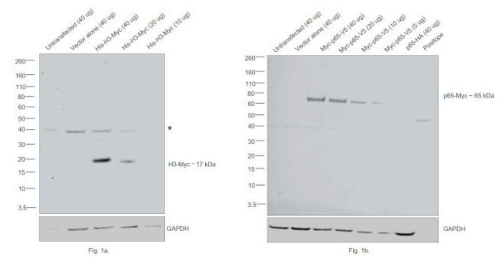
This antibody detects c-myc protein and c-myc tagged proteins.

MA1-980 has been successfully used in Western blot, immunohistochemistry, immunocytochemistry, immunofluorescence,

ELISA, flow cytometry, and immunoprecipitation procedures.

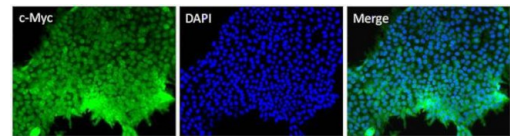
The MA1-980 immunogen corresponds to the synthetic peptide A(408) E E Q K L I S E E D L L R K R R E Q L K H K L E Q L R N S C A(438) of human c-Myc.

Product Images For c-Myc Monoclonal Antibody (9E10)



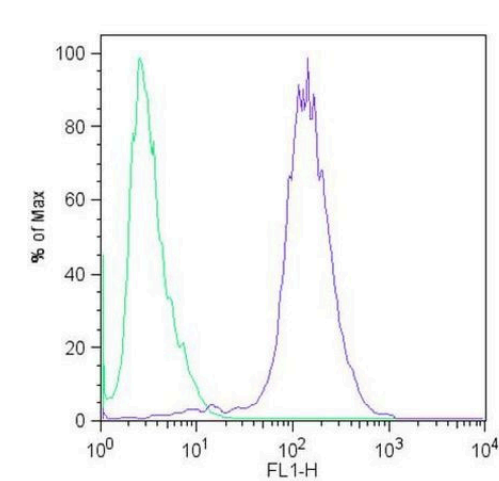
c-Myc Antibody (MA1-980)

Antibody specificity was demonstrated by detection of different targets fused to Myc tag in transiently transfected lysates tested. Relative detection of Myc tag was observed across different proteins fused with Myc tag in Fig 1a. His-H3-Myc (Lane 3-5) and Fig 1b. Myc-p65-V5 (Lane 3-6), using Anti-Myc Tag Polyclonal Antibody (Product # MA1-980-1MG) in Western Blot. This product has been shown to detect Myc Tag at both N- and C- termini of a fusion protein {RE}



c-Myc Antibody (MA1-980) in ICC/IF

Immunofluorescent analysis of c-Myc (green) in H9 embryonic stem cells grown for a few days on Matrigel-coated chamber slides. Cells fixed in 4% paraformaldehyde were permeabilized with 0.1% Triton X-100 for 15 minutes at room temperature. Cells were probed with a c-Myc monoclonal antibody (Product # MA1-980) at a dilution of 1:200 overnight at 4°C, washed with PBST, and incubated with a FITC-conjugated secondary antibody at a dilution of 1:100 for 1 hour at room temperature. Nuclei (blue) were stained with DAPI and cells were analyzed by fluorescence microscopy at 20X magnification.



c-Myc Antibody (MA1-980) in Flow

Flow cytometric analysis of c-Myc (blue histogram) on HEL 11.4 induced IPS cells. To generate single cells suspensions, colonies were treated with TrypLE cell dissociation enzyme for 5 minutes at 37°C. Cells were incubated with a c-Myc monoclonal antibody (Product # MA1-980) or mouse IgG (green histogram) at a dilution of 1:100 for 1 hour on ice, washed with PBS + 5% fetal calf serum (FACS buffer), and incubated with a FITC-conjugated secondary antibody at a dilution of 1:200 for 30 minutes on ice. Cells were washed with cold FACS buffer, resuspended in 500 µL of FACS buffer containing 10 µL of 4% paraformaldehyde, and analyzed on a flow cytometer.

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

Western Blot (124)

Frontiers in immunology	Year 2023
Duck TRIM29 negatively regulates type I IFN production by targeting MAVS.	Species Human
"MA1-980 was used in Western Blotting to demonstrate that duTRIM29 negatively regulates type I IFN production by targeting duMAVS in ducks."	
Authors: Li W,Song Y,Du Y,Huang Z,Zhang M,Chen Z,He Z,Ding Y,Zhang J,Zhao L,Sun H,Jiao P	
International wound journal	Year 2023
FBXL6 is dysregulated in keloids and promotes keloid fibroblast growth by inducing c-Myc expression.	
"Published figure using c-Myc monoclonal antibody (Product # MA1-980) in Western Blot"	
Authors: Feng G,Sun H,Piao M	

View more WB references on thermofisher.com

Immunohistochemistry (13)

Molecular cancer research : MCR	Year 2021
Sox2 Is an Oncogenic Driver of Small-Cell Lung Cancer and Promotes the Classic Neuroendocrine Subtype.	Species Tag
"MA1-980 was used in Immunohistochemistry to suggest that SOX2 can be associated with the switch of SCLC from an ASCL1 subtype to a NEUROD1 subtype."	
Authors: Voigt E,Wallenburg M,Wollenzien H,Thompson E,Kumar K,Feiner J,McNally M,Friesen H,Mukherjee M,Afeworki Y,Kareta MS	
Neuroendocrinology	Year 2021
A Novel SEMA3G Mutation in Two Siblings Affected by Syndromic GnRH Deficiency.	Species Mouse
"MA1-980 was used in Immunohistochemistry to assess the contribution of mutated Semaphorin 3G (SEMA3G) gene in the onset of a syndromic form of HH, characterized by intellectual disabilities and facial dysmorphic features."	
Authors: Oleari R,André V,Lettieri A,Tahir S,Roth L,Paganoni A,Eberini I,Parravicini C,Scagliotti V,Cotellessa L,Bedogni F,De Martini LB,Corridori MV,Gulli S,Augustin HG,Gaston-Massuet C,Hussain K,Cariboni A	
	Dilution 1:100

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- PLA (1)
- IV (1)
- Misc (2)

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