

# c-Myc Monoclonal Antibody (9E10), HRP

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Tag, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	9E10
Conjugate	HRP
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	proprietary buffer with proprietary stabilizer
Contains	0.07% Kathon
Storage conditions	4° C, do not freeze
RRID	AB_2537628

Applications	Tested Dilution	Publications
Western Blot (WB)	1:250-1:1,000	3 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	-	1 Publication

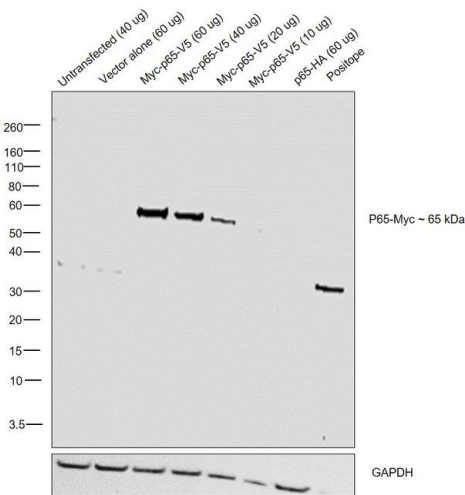
## Product Specific Information

MA1-980-HRP detects c-myc protein and c-myc tagged proteins.

MA1-980-HRP has been successfully used in Western blot procedures.

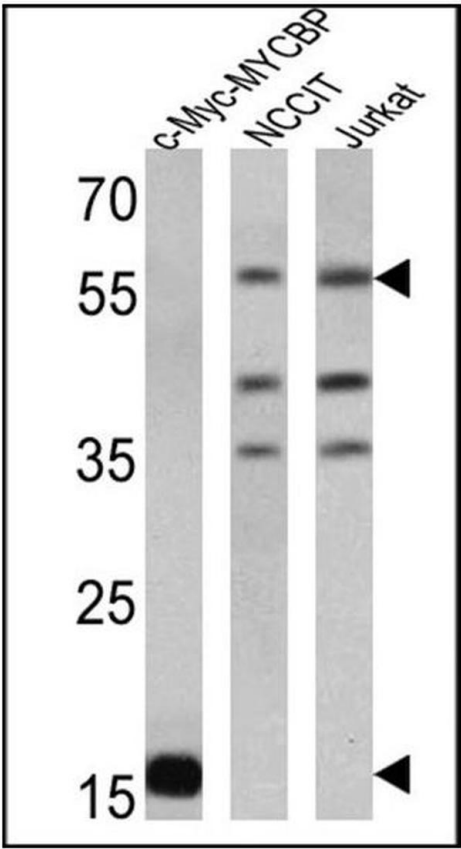
The MA1-980-HRP immunogen corresponds to the synthetic peptide A(408) E E Q K L I S E E D L L R K R R E Q L K H K L E Q L R N S C A(438) of human c-Myc.

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



**c-Myc Antibody (MA1-980-HRP) in WB**

Western blot was performed using Anti-Myc Tag Monoclonal Antibody (Product # MA1-980-HRP) by loading whole cell extracts of untransfected and transiently transfected HEK-293 lysates: untransfected, 40 µg (Lane 1), empty vector control, 60 µg (Lane 2), Myc-p65-V5, 60 µg (Lane 3), Myc-p65-V5, 40 µg (Lane 4), Myc-p65-V5, 20 µg (Lane 5), Myc-p65-V5, 10 µg (Lane 6), p65-HA, 60 µg (Lane 7) and 25 ng of Positope (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). A ~65 kDa band corresponding to Myc-p65-V5 was observed in HEK293E transfected lysates on probing with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP (Product # A28177, 1:4000 dilution). Positope (Product # R90050) is a 53 kDa recombinant protein consisting of multiple epitope tags but lacks HA tag, which has been used as a positive control for c-Myc tag detection. No cross-reactivity was seen with HA-tagged p65 expressing lysate.



**c-Myc Antibody (MA1-980-HRP) in WB**

Western blot analysis of c-Myc was performed by loading 50 µg of NCCIT and Jurkat lysates, and 10 µg of Myc-MYCBP-containing cell lysate onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane. The membrane was blocked, and probed with an HRP-conjugated c-Myc monoclonal antibody (Product # MA1-980-HRP) at a dilution of 1:1000 overnight at 4C. Chemiluminescent detection was performed using SuperSignal West Dura (Product # 34075) at an exposure time of 2 min (NCCIT and Jurkat) and 3 sec (Myc-MYCBP). Results show a band at ~57 kDa (NCCIT and Jurkat) and 16 kDa (Myc-MYCBP) as well as a 2 unknown bands at 35-40 kDa.

Western Blot (3)

Frontiers in plant science	Year 2023
<b>Excess nitrogen responsive HvMADS27 transcription factor controls barley root architecture by regulating abscisic acid level.</b>	
"Published figure using c-Myc monoclonal antibody (Product # MA1-980-HRP) in Western Blot"	
Authors: Smoczynska A, Pacak A, Grabowska A, Bielewicz D, Zadworny M, Singh K, Dolata J, Bajczyk M, Nuc P, Keszy J, Wozniak M, Ratajczak I, Harwood W, Karlowski WM, Jarmolowski A, Szwejkowska-Kulinska Z	
The Journal of biological chemistry	Year 2017
<b>Proteolytic degradation of regulator of G protein signaling 2 facilitates temporal regulation of G<sub>q/11</sub> signaling and vascular contraction.</b>	Species Human
"MA1-980-HRP was used in Western Blotting to identify degradation signals in regulator of G protein signalling 2, and study the dynamic regulation of Gq/11-evoked Ca2+ signalling and vascular contraction."	
Authors: Kanai SM, Edwards AJ, Rurik JG, Osei-Owusu P, Blumer KJ	

[View more WB references on thermofisher.com](#)

Immunocytochemistry (1)

Traffic (Copenhagen, Denmark)	Year 2009
<b>HCMV-encoded glycoprotein M (UL100) interacts with Rab11 effector protein FIP4.</b>	Species Human
"MA1-980-HRP was used in Immunocytochemistry to argue for a contribution of the ERC during cytoplasmic envelopment of HCMV and showed a novel FIP4 function independent of Arf5 or Arf6 activity."	
Authors: Krzyzaniak MA, Mach M, Britt WJ	

Flow Cytometry (1)

Immunity	Year 2021
<b>A class of viral inducer of degradation of the necroptosis adaptor RIPK3 regulates virus-induced inflammation.</b>	Species Tag
"MA1-980-HRP was used in Flow Cytometry to identify a viral inhibitor that binds to the host SKP1-Cullin1-F-box (SCF) machinery and the essential necroptosis kinase receptor interacting protein kinase 3 (RIPK3)."	
Authors: Liu Z, Nailwal H, Rector J, Rahman MM, Sam R, McFadden G, Chan FK	

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