

c-Myc Monoclonal Antibody (9E10), HRP

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	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	1 Publication

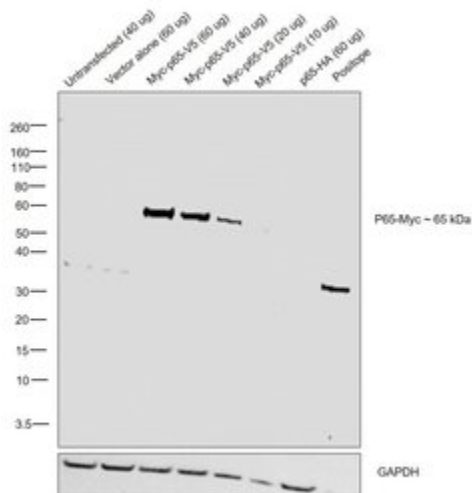
Product Specific Information

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

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

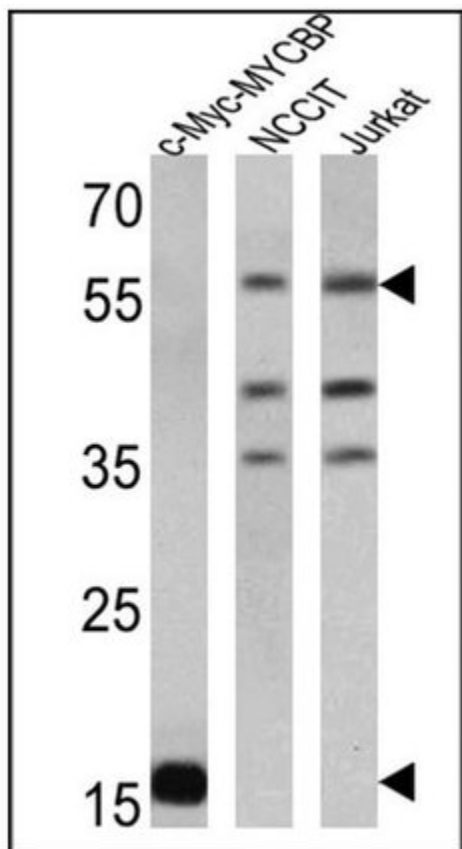
The MA1-980-HRP immunogen corresponds to the synthetic peptide A(408) E E Q K L I S E E D L L R K R R E Q L K H K L E Q L R N S C A(438) of human c-Myc.

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 (1)

The Journal of biological chemistry

Proteolytic degradation of regulator of G protein signaling 2 facilitates temporal regulation of G_{q/11} signaling and vascular contraction.

"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

Species
Human

Dilution
Not Cited

Year
2017

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