

c-Myc Monoclonal Antibody (9E10), DyLight 488

Product Details	
Size	50 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	9E10
Conjugate	DyLight® 488
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 proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2610623

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

MA1-980-D488 detects c-myc protein and c-myc tagged proteins.

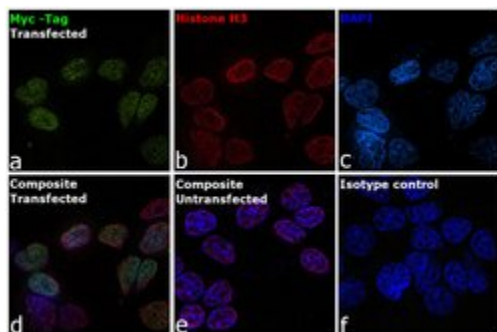
MA1-980-D488 has been successfully used in fluorescent Western blot.

DyLight 488 has an excitation/emission of 493/518 nm.

Product Images For c-Myc Monoclonal Antibody (9E10), DyLight 488

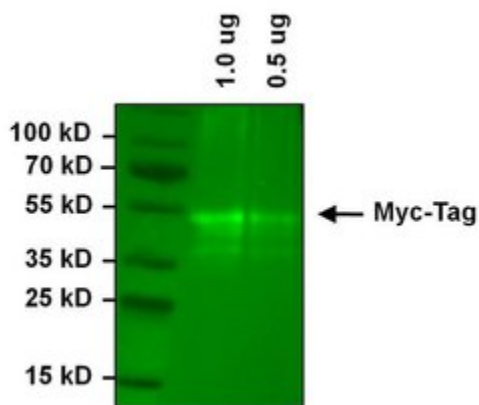
c-Myc Antibody (MA1-980-D488) in ICC/IF

Immunofluorescence analysis of Myc proto-oncogene protein was performed using 70% confluent log phase HEK-293 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with Myc Tag Monoclonal Antibody (Product # MA1-980-D488) at 1:100 in 0.1% BSA and Histone H3 antibody (Product # 711055) at 1:200 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 647 (Product #A32733) at a dilution of 1:2000 for 45 minutes at room temperature. Panel a (Nuclei: Green) represents Myc tag. Panel b (Nuclei: Red) represents Histone H3. Panel c (Nuclei: Blue) represents ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). Panel d represents the merged image showing the co-localization of nuclear signals in transfected cells. Panel e represents un-transfected HEK-293 cells. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



c-Myc Antibody (MA1-980-D488) in WB

Western blot analysis of Myc tag was performed by loading the indicated amounts of Myc-tag E. coli lysate and 10 µL of PageRuler Plus Prestained Protein Ladder (Product # 26619) onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a low fluorescence PVDF membrane (Product # 22860) and blocked with SEA BLOCK Blocking Buffer (Product # 37527) for at least 1 hour. The membrane was probed with a DyLight 488-conjugated Myc-tag monoclonal antibody (Product # MA1-980-D488) at a dilution of 1:500 for 1h at room temperature on a rocking platform, and washed in TBS-0.1% Tween-20. Detection was performed using a fluorescent Western blot imaging system.



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