

c-Myc Monoclonal Antibody (9E10), Alexa Fluor 488

Product Details

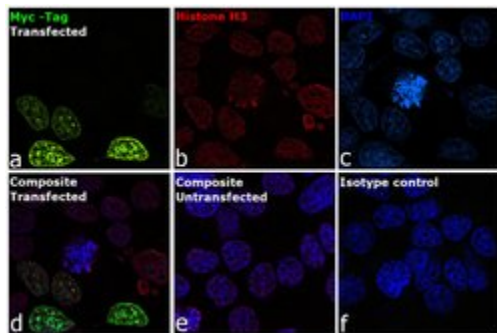
| | |
|--------------------|--|
| Size | 50 µL |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 9E10 |
| Conjugate | Alexa Fluor® 488 |
| Immunogen | Synthetic peptide A(408) E E Q K L I S E E D L L R K 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 1mg/mL BSA |
| Contains | 0.05% sodium azide |
| Storage conditions | 4° C, do not freeze |
| RRID | AB_2609819 |

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

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

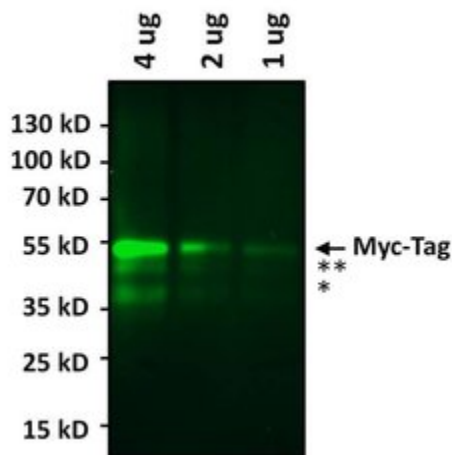
c-Myc Antibody (MA1-980-A488) in ICC/IF

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 Polyclonal Antibody (Product # MA1-980-A488) 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 the 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 isotype control cells to assess background. The images were captured at 60X magnification.



c-Myc Antibody (MA1-980-A488) in WB

Western blot analysis of Myc Epitope Tag was performed by loading various amounts of E. coli lysate containing a multi-epitope tagged protein per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a low fluorescence PVDF membrane and blocked with Sea Block blocking buffer for at least 1 hour. The membrane was probed with a AlexaFluor 488-conjugated Myc Epitope Tag monoclonal antibody (Product # MA1-980-A488) at a dilution of 1:500 for 1 hour at room temperature on a rocking platform and washed in TBS-0.1% Tween-20. Detection was performed using a fluorescence imaging system.



1 Reference

Immunocytochemistry (1)

Molecular biology of the cell

N-cadherin association with lipid rafts regulates its dynamic assembly at cell-cell junctions in C2C12 myoblasts.

"MA1-980-A488 was used in Immunocytochemistry-immunofluorescence to show that lipid rafts, as homophilic interaction and F-actin association, stabilize cadherin-dependent adhesive complexes."

Authors: Causeret M, Taulet N, Comunale F, Favard C, Gauthier-Rouvière C

Species
Human

Dilution
1:2,000

Year
2005

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