

REAGENTS PROVIDED

NorthernLights™ 557 (NL557)-conjugated mouse monoclonal anti-c-Myc: Supplied as a 10X solution of antibody in 0.5 mL PBS containing 0.09% sodium azide.

Clone #: 9E10

Isotype: mouse IgG₁

STORAGE

Reagents are stable for **twelve months** from date of receipt when stored in the dark at 2-8 °C.

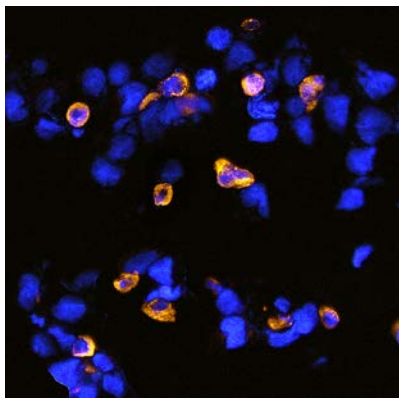
INTENDED USE

Designed to visualize the expression of c-Myc labeled proteins and nucleic acids by fluorescence microscopy in cells and tissues.

PRODUCT DESCRIPTION

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with a C-terminal region peptide of human c-Myc (aa 408-439; Accession # P01106). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography. The purified antibody was then conjugated to fluorochrome NL557. The spectral characteristics of NL557 are provided, along with those of Rhodamine Red™-X (RRX) and Cy™3 for comparison.

Fluorochrome	Absorption Maximum (nm)	Emission Maximum (nm)
NL557	557	574
RRX	570	590
Cy3	548	562



c-Myc-NL557

HEK293 human embryonic kidney cell line transfected with c-Myc-tagged Serotonin receptor was stained with NL557-conjugated Anti-c-Myc Monoclonal Antibody (Catalog # NL3696R; yellow) and counterstained with DAPI (blue).

BACKGROUND INFORMATION

c-Myc can be introduced into proteins and nucleic acids for detection in a variety of assays, including Immunohistochemistry, Southern Blot, Immunoprecipitation, and Western blot. Our high affinity anti-c-Myc antibodies are available unconjugated or with fluorescent Northern Lights and Alexa Fluor® 488 dyes and biotin conjugations for your research applications.

REFERENCES

1. Evan, G.I. *et al.* (1985) Mol. Cell. Biol. **5**:3610.
2. Roberson, D.D. *et al.* (1995) J. Histochem. Cytochem. **43**:471.
3. Gosney J.R. *et al.* (1990) Anticancer Res. **10**:1127.

FLUORESCENT STAINING VALIDATION

This antibody has been tested for immunofluorescence. Cells transfected with a protein tagged with c-Myc were fixed with 2% formaldehyde and incubated for one hour at room temperature with anti-c-Myc conjugated to NL557 at a dilution of 1X (1:10 dilution) in diluent buffer. If a staining volume of 250 μ L is used, this antibody can be used for 20 tests; 100 tests can be done in a staining volume of 50 μ L.

Warning: Contains sodium azide as a preservative. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large volumes of water during disposal.

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Rhodamine Red is a trademark of Invitrogen, Inc.

Cy is a trademark of GE Healthcare.

Alexa Fluor is a registered trademark of Life Technologies Corp.