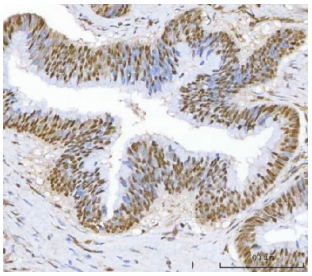
c-Myc Antibody [clone 9E10.] (R30025)

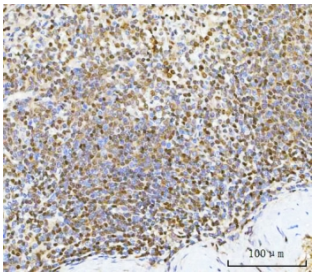
Catalog No.	Formulation	Size
R30025	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

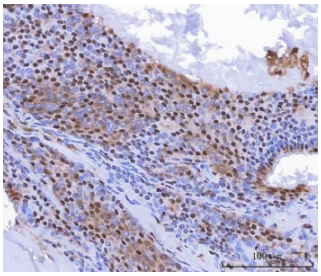
Availability	1-3 business days
Species Reactivity	Human
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	9E10.
Purity	Unpurified ascites
Buffer	Lyophilized from mouse ascites fluid with 1.2% sodium acetate, 2.5% BSA, 0.025% sodium azide
Gene ID	4609
Applications	Western Blot : 1ug/ml Immunohistochemistry (FFPE) : 5ug/ml
Limitations	This c-Myc antibody is available for research use only.



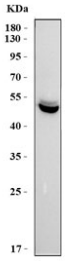
IHC staining of FFPE human colorectal adenocarcinoma tissue with c-Myc antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human spleen tissue with c-Myc antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human thyroid cancer tissue with c-Myc antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human HeLa cell lysate with c-Myc antibody. Theoretical molecular weight: ~50 kDa but routinely observed at 50~70 kDa.

Description

C-Myc is an oncogene that functions both in the stimulation of cell proliferation and in apoptosis. c-Myc elicits its oncogenic activity by causing immortalization, and to a lesser extent the transformation of cells, in addition to several other mechanisms. The c-MYC proto-oncogene encodes a transcription factor that is critical for cell growth and proliferation. It is one of the genes frequently altered in cancer cells in which it exhibits constitutive activity. Downregulation of c-Myc is critical for 2-Methoxyestradiol(2ME2)-induced oxidative stress and apoptosis in AML cells. And its up-regulation is important for promoting lymphocyte cell division, and demonstrating that GFP-c-Myc expression is a marker of proliferating lymphocytes in vivo.

Application Notes

The stated application concentrations are suggested starting points. Titration of the c-Myc antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Synthetic peptide corresponding to residues 408-439 of the human p62c-Myc protein was used as the immunogen for this c-Myc antibody.

Storage

After reconstitution, the c-Myc antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.