

Product datasheet for **AM05253PU-N**

c-Myc (MYC) Mouse Monoclonal Antibody [Clone ID: 33]

Product data:

Product Type:	Primary Antibodies
Clone Name:	33
Applications:	IHC, IP, WB
Recommended Dilution:	Western Blot. Immunoprecipitation (both with and without SDS). Immunohistochemistry on Frozen Sections. Myc is a labile protein, therefore pretease inhibitors should be used at all times.
Reactivity:	Human, Mouse, Rat, Birds
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Hybridoma produced by the fusion of splenocytes from mice immunized
Formulation:	PBS containing 0.08% Sodium Azide as preservative. State: Purified State: Liquid (0.2 µm sterile filtered) purified IgG fraction.
Concentration:	lot specific
Purification:	From ascites.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	v-myc avian myelocytomatosis viral oncogene homolog
Database Link:	Entrez Gene 4609 Human P01106



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Background:

Human c-myc belongs to a family of 5 myc oncogenes. Amplification of c-myc has been found in several types of human tumors including breast and colon carcinomas. Induction of c-myc in cells grown in the appropriate growth factors or co-expression with survival genes, such as bcl-2 causes cell proliferation. In the absence of these factors, c-myc expression causes cell death. c-myc gene gives rise to at least two nuclear phosphoproteins of 64 kDa and 67 kDa, the unphosphorylated form is 49 kDa.

Synonyms:

Transcription factor p64, BHLHE39