

Product datasheet for **AM20611PU-N**

c-Myc (MYC) Mouse Monoclonal Antibody [Clone ID: IMD-3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IMD-3
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB 0.1-0.5 ug/ml IHC-P 0.5-1 ug/ml ICC 1 ug/ml.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to residues 408-439 of the Human p62c-Myc protein.
Specificity:	This antibody recognizes Human c-Myc.
Formulation:	1.2% Sodium Acetate State: Purified State: Lyophilized purified Ig fraction Stabilizer: 2 mg BSA Preservative: 0.01 mg Sodium Azide
Reconstitution Method:	Restore with 1.2% Sodium Acetate or Neutral PBS
Concentration:	0.1 mg/ml (after reconstitution with PBS)
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	v-myc avian myelocytomatosis viral oncogene homolog



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Database Link:	Entrez Gene 17869 Mouse Entrez Gene 24577 Rat Entrez Gene 4609 Human P01106
Background:	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.
Synonyms:	Transcription factor p64, BHLHE39
Protein Families:	Druggable Genome, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Stem cell relevant signaling - TGFb/BMP signaling pathway, Stem cell relevant signaling - Wnt Signaling pathway, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Bladder cancer, Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Jak-STAT signaling pathway, MAPK signaling pathway, Pathways in cancer, Small cell lung cancer, TGF-beta signaling pathway, Thyroid cancer, Wnt signaling pathway