OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM33356PU-T

c-Myc (MYC) Mouse Monoclonal Antibody [Clone ID: CT14.G4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CT14.G4
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	**ELISA:** Use BSA free Antibody for coating. **Flow Cytometry:** 0.5-1 µg/million cells. **Immunofluorescence:** 1-2 µg/ml. **Western Blotting:** 0.5-1 µg/ml. **Immunoprecipitation:** 1-2 µg/500 µg protein lysate. **Immunohistochemistry on Frozen Sections:** 0.5-1.0 µg/ml for 30 minutes at RT. ***Positive Control***: HL-60 cells or breast carcinoma.
Reactivity:	Chimpanzee, Gorilla, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A synthetic peptide, corresponding to aa 408-439 from C-terminus of Human c-myc, coupled to KLH.
Specificity:	Recognizes c-Myc Oncoprotein. ***Cellular Localization***: Nuclear.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.

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Predicted Protein Size:	62-64 kDa
Gene Name:	v-myc avian myelocytomatosis viral oncogene homolog
Database Link:	Entrez Gene 4609 Human P01106
Background:	The c-Myc protein is a transcription factor, which is encoded by the c-Myc gene on human chromosome 8q24. c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. The phosphorylation of c-Myc has been investigated and previous studies have suggested a functional association between phosphorylation at Thr58/Ser62 by glycogen synthase kinase 3, cyclin dependent kinase, ERK2 and C-Jun N terminal Kinase (JNK) in cell proliferation and cell cycle regulation. Studies also have shown that c-Myc is essential for tumor cell development in vasculogenesis and angiogenesis that distribute blood throughout the cells, and which brought extensive attention in the development of new therapeutic approach for cancer treatment.
Synonyms:	Transcription factor p64, BHLHE39