

Anti-c-Myc Tag (9E10) Affinity Gel

Catalog# / Size	658502 / 500 µL
Clone	9E10
Regulatory Status	RUO
Other Names	Myc proto-oncogene protein, proto-oncogene c-Myc, transcription factor p64, class E basic helix-loop-helix protein 39, avian myelocytomatosis viral oncogene homolog, myc-related translation/localization
Isotype	Mouse IgG1, κ
Description	The 9E10 monoclonal antibody recognizes the amino acid sequence EQKLISEEDL, which is a specific portion of the human c-myc gene product. This antibody is highly specific and is unlikely to alter the activity of the cloned sequence.

Product Details

Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Amino acids 408-439, C-terminal region of human c-myc
Formulation	50% anti-c-Myc-tag (9E10) antibody conjugated resin is supplied in 1X PBS and 0.09% NaN ₃ .
Preparation	Affinity purified.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	Upon receipt, store undiluted between 2°C and 8°C. The unopened product is stable for one year upon arrival.
Application	Purification of c-Myc tagged fusion protein from bacteria lysates - Quality tested IP - Reported in the literature, not verified in house
Recommended Usage	Resin binding capacity is greater than 0.5 mg/mL.
Application Notes	*Our Posi-Tag Control Protein (931301) can be used as a helpful positive control for this antibody.
Application References (PubMed link indicates BioLegend citation)	<ol style="list-style-type: none">1. Rao H, <i>et al.</i> 2001. <i>Nature</i>. 410:955.2. Peters CS, <i>et al.</i> 2001. <i>J Biol Chem</i>. 276:13718.3. Munro S, Pelham HR. 1987. <i>Cell</i>. 48:899.4. Evan GI, <i>et al.</i> 1985. <i>Mol Cell Biol</i>. 5:3610.
Product Citations	<ol style="list-style-type: none">1. Zhang G, <i>et al.</i> 2016. <i>J Virol</i>. 90: 2306 - 2315. PubMed2. Shamay-Ramot A, <i>et al.</i> 2015. <i>PLoS Genet</i>. 11: 1005702. PubMed

Antigen Details

Structure	Highly conserved protein structure from drosophila to vertebrate. Contains HLH domain, coiled coil region, and leucine zipper domain. Human c-myc has two isoforms with predicted MW of 49 kD and 51kD.
Distribution	Nuclear protein
Function	Transcription factor, binds to DNA and activates transcription as part of a heterodimeric complex MAX. Structural rearrangements found in a number of cancers

Interaction	MAX, SMAD2, SMAD3, Pam, cdc6, BRCA1, Mlh1, p34cdc2, MAD, Sp1, and many other proteins
Cell Targets	N-terminal, C-terminal tagged and internal fusion protein
Modification	Glycosylation, Phosphorylation (Thr58, Ser62, Ser71)
Cell Type	Embryonic Stem Cells
Biology Area	Apoptosis/Tumor Suppressors/Cell Death, Cell Biology, Cell Cycle/DNA Replication, Immunology, Stem Cells, Transcription Factors
Antigen References	<ol style="list-style-type: none"> 1. Adams JM, <i>et al.</i> 1983. <i>Proc. Natl. Acad. Sci. USA</i> 80:1982. 2. Atchley WR, <i>et al.</i> 1995. <i>Proc. Natl. Acad. Sci. USA</i> 92:10217. 3. Battey J, <i>et al.</i> 1983. <i>Cell</i> 34:779. 4. Beimling P, <i>et al.</i> 1985. <i>Biochemistry</i> 24:6349.
Gene ID	4609

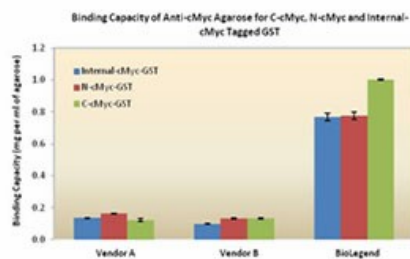
Related Protocols

[Anti-c-Myc Tag \(9E10\) Affinity Gel Protocol](#)

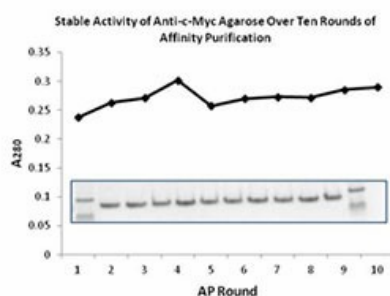
Other Formats

Purified anti-c-Myc, Anti-c-Myc Tag (9E10) Affinity Gel, Biotin anti-c-Myc, Direct-Blot™ HRP anti-c-Myc, Alexa Fluor® 594 anti-c-Myc, Ultra-LEAF™ Purified anti-c-Myc, Alexa Fluor® 647 anti-c-Myc, Alexa Fluor® 488 anti-c-Myc Antibody

Product Data



Binding capacity of anti-c-Myc agarose for C-terminal c-Myc and internal c-Myc tagged GST.



Stable activity of anti-c-Myc agarose over ten rounds of affinity purification.

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