Datasheet: MCA2200B BATCH NUMBER 152872

Description:	MOUSE ANTI C-MYC:Biotin
Specificity:	C-MYC
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	9E10
lsotype:	lgG1
Quantity:	0.1 mg

Product Details

Applications	This product has been reported to work in the following applications. This information derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit <u>www.bio-rad-antibodies.com/protocols</u> .				
		Yes	No	Not Determined	Suggested Dilution
	Immunohistology - Frozen				
	Immunohistology - Paraffin	•			
	ELISA	-			1/20 - 1/50
	Immunoprecipitation				
	Western Blotting (1)				
	Where this antibody has not been tested for use in a particular technique this does not				
Target Species	necessarily exclude its use in such procedures. Suggested working dilutions are giver a guide only. It is recommended that the user titrates the antibody for use in their own systems using appropriate negative/positive controls. (1) 9E10 recognizes c-myc under non-reducing conditions Human				
Species Cross Reactivity	Reacts with: Epitope tag N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.				
Product Form	Purified IgG conjugated to	o Biotin -	liquid		
Preparation	Purified IgG prepared by supernatant	affinity cł	nromatog	raphy on Protein G fror	m tissue culture

Buffer Solution	Phosphate buffered saline			
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin			
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml			
Immunogen	Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.			
External Database Links	UniProt: <u>P01106</u> <u>Related reagents</u> Entrez Gene: <u>4609</u> MYC <u>Related reagents</u>			
Synonyms	BHLHE39			
RRID	AB_323950			
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line.			
Creatificity	Mouse anti c-myc antibody, clone 9E10 detects the p62 ^{c-myc} proto-oncogene protein, which is involved in the regulation of the cell cycle and cell growth. C-myc is primarily located to the cell nucleus, but has also been shown to localized to the cytoplasm in several cell lines (Craig <i>et al.</i> 1993). Overexpression of c-myc has been reported in a wide variety of human cancers (Nesbit <i>et al.</i> 1999).			
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Flow Cytometry	 which is involved in the regulation of the cell cycle and cell growth. C-myc is primarily located to the cell nucleus, but has also been shown to localized to the cytoplasm in several cell lines (Craig <i>et al.</i> 1993). Overexpression of c-myc has been reported in a wide variety of human cancers (Nesbit <i>et al.</i> 1999). Mouse anti c-myc antibody, clone 9E10 recognizes the sequence EQKLISEEDL and may be used to detect proteins and peptides labelled with molecular tags containing this 			
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triggered endothelial cell retraction. Biochem J. 404: 23-9.

5. Head, B. *et al.* (2009) Inducible proteolytic inactivation of OPA1 mediated by the OMA1 protease in mammalian cells. <u>J Cell Biol. 187: 959-66.</u>

6. Hilpert, K. *et al.* (2001) Anti-c-myc antibody 9E10: epitope key positions and variability characterized using peptide spot synthesis on cellulose. <u>Protein Eng. 14: 803-6.</u>

7. Gohlke, S. *et al.* (2017) *In Vitro* and *In Vivo* Studies on the Structural Organization of Chs3 from *Saccharomyces cerevisiae*. Int J Mol Sci. 18 (4): pii: E702.

8. Gray, P. *et al.* (2010) Identification of a novel human MD-2 splice variant that negatively regulates Lipopolysaccharide-induced TLR4 signaling. <u>J Immunol. 184: 6359-66.</u>

9. Duriseti, S. *et al.* (2010) Antagonistic anti-urokinase plasminogen activator receptor (uPAR) antibodies significantly inhibit uPAR-mediated cellular signaling and migration. J Biol Chem. 285: 26878-88.

10. Tan, P.H. *et al.* (2005) Creation of tolerogenic human dendritic cells via intracellular CTLA4: a novel strategy with potential in clinical immunosuppression. <u>Blood. 106:</u> <u>2936-43.</u>

 Wallace, S.W. *et al.* (2010) Cdc42 regulates apical junction formation in human bronchial epithelial cells through PAK4 and Par6B. <u>Mol Biol Cell. 21: 2996-3006.</u>
 Rowshanravan, B. *et al.* (2014) RasGAP mediates neuronal survival in *Drosophila* through direct regulation of Rab5-dependent endocytosis. J Cell Sci. 127: 2849-61.

13. Taylor K *et al.* (2015) Nanocell targeting using engineered bispecific antibodies. <u>MAbs.</u> 7 (1): 53-65.

14. Elders, R.C. *et al.* (2014) Recombinant canine IgE Fc and an IgE Fc-TRAIL fusion protein bind to neoplastic canine mast cells. <u>Vet Immunol Immunopathol. 159 (1-2): 29-40.</u>
15. Sharkey, A.M. *et al.* (2015) Tissue-Specific Education of Decidual NK Cells. <u>J</u>
<u>Immunol. 195 (7): 3026-32.</u>

16. McGough, I.J. *et al.* (2014) Identification of molecular heterogeneity in SNX27retromer-mediated endosome-to-plasma-membrane recycling. <u>J Cell Sci. 127 (Pt 22):</u> <u>4940-53.</u>

17. Frohnert, C. *et al.* (2014) Importin 7 and Nup358 promote nuclear import of the protein component of human telomerase. <u>PLoS One. 9 (2): e88887.</u>

18. Hage, N. *et al.* (2015) Improved expression and purification of the Helicobacter pylori adhesin BabA through the incorporation of a hexa-lysine tag. <u>Protein Expr Purif. 106:</u> <u>25-30.</u>

19. Mann, J.K. & Park, S. (2015) Epitope-Specific Binder Design by Yeast Surface Display. <u>Methods Mol Biol. 1319: 143-54.</u>

20. Paraskevopoulou, V. *et al.* (2019) Introduction of a C-terminal hexa-lysine tag increases thermal stability of the LacDiNac binding adhesin (LabA) exodomain from *Helicobacter pylori*. <u>Protein Expr Purif. 163: 105446.</u>

21. Lim, H.K. *et al.* (2010) Flow cytometric analysis of genetic FRET detectors containing variable substrate sequences. <u>Biotechnol Prog. 26 (6): 1765-71.</u>

22. Walker, L.M. *et al.* (2009) Efficient recovery of high-affinity antibodies from a single-chain Fab yeast display library. <u>J Mol Biol. 389 (2): 365-75.</u>

23. Matos, J. *et al.* (2013) Cell-cycle kinases coordinate the resolution of recombination intermediates with chromosome segregation. <u>Cell Rep. 4 (1): 76-86.</u>

24. Paraskevopoulou, V. *et al.* (2020) Structural and binding characterization of the LacdiNAc-specific adhesin (LabA; HopD) exodomain from *Helicobacter pylori*. <u>Curr Res</u> <u>Struct Biol. 15 Dec [Epub ahead of print]</u>.

	against HIV-1 as Pote [<u>Epub ahead of print].</u> 26. Hollandsworth, H.I recombinant membrar	(2020) Lactobacilli Expressing Broantial Vectors for HIV-1 Prophylaxis? M. <i>et al.</i> (2020) Fluorophore-conjugate protein (HopQ) labels primary col dels by binding CEA-related cell adh	Vaccines (Basel). 8 (4) Dec 13 ated <i>Helicobacter pylori</i> on cancer and metastases in			
Further Reading	<u>3004-16.</u> 2. Krauß, N. <i>et al.</i> (20 fragment/epitope pept	 Nesbit, C. <i>et al.</i> (1999) MYC oncogenes and human neoplastic disease. <u>Oncogene. 18:</u> <u>3004-16.</u> Krauß, N. <i>et al.</i> (2008) The structure of the anti-c-myc antibody 9E10 Fab fragment/epitope peptide complex reveals a novel binding mode dominated by the heavy chain hypervariable loops. <u>Proteins. 73: 552-65.</u> 				
Storage	•	e stored undiluted. reezers is not recommended. Avoid the antibody. Should this product co				
Guarantee	12 months from date of	12 months from date of despatch				
Health And Safety Information	le at:					
Regulatory	For research purposes	s only				
Email: anti	9 878 3751 body_sales_us@bio-rad.com	Tel: +44 (0)1865 852 700 Europe Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com uct, please use our online search tool at 'M366336:200529'	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com			

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