

Datasheet: MCA1709T

BATCH NUMBER 163482

Description:	MOUSE ANTI MDM2
Specificity:	MDM2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	SMP14
Isotype:	IgG1
Quantity:	20 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is 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 www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (1)	▪			1/200 - 1/500
Immunohistology - Resin	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. EDTA pH8.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture

supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Synthetic peptide, CSRPTSSRRRAISE, corresponding to amino acids 154-167 of human MDM2.

External Database Links

UniProt:

[Q00987](#)

[Related reagents](#)

Entrez Gene:

[4193](#)

MDM2

[Related reagents](#)

RRID AB_2143542

Fusion Partners Spleen cells from immunized BALB/c mice were fused with cells of the mouse X63Ag8.653 myeloma cell line.

Specificity **Mouse anti MDM2 antibody, clone SMP14** recognizes the ~90 kDa MDM2 protein, which forms a complex with p53 leading to p53 inhibition.

MDM2 also acts to stimulate cell proliferation via its induction of transcription factors such as E2F1 and DPI.

MDM2 is over expressed in a range of human malignancies, including soft tissue sarcomas, breast cancer and bladder cancer.

Histology Positive Control Tissue Breast carcinoma

References

1. Picksley, S.M. *et al.* (1994) Immunochemical analysis of the interaction of p53 with MDM2;--fine mapping of the MDM2 binding site on p53 using synthetic peptides. [Oncogene. 9 \(9\): 2523-9.](#)
2. Martin, K. *et al.* (1995) Stimulation of E2F1/DP1 transcriptional activity by MDM2 oncoprotein. [Nature. 375 \(6533\): 691-4.](#)
3. Gueven, N. *et al.* (2006) Defective p53 response and apoptosis associated with an ataxia-telangiectasia-like phenotype. [Cancer Res. 66: 2907-12.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for

short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1709T 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M407266:221005'

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