

## Datasheet: MCA6033

**BATCH NUMBER 159140**

<b>Description:</b>	MOUSE ANTI CATENIN ALPHA 1
<b>Specificity:</b>	CATENIN ALPHA 1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	alpha-CAT-7A4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	50 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			2 ug/ml - 10 ug/ml
ELISA	▪			0.1 ug/ml - 1 ug/ml
Immunoprecipitation	▪			5 ug/ml
Western Blotting	▪			1 ug/ml
Immunofluorescence	▪			2 ug/ml - 5 ug/ml

Where this product 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 product for use in their own system using appropriate negative/positive controls.

**(1) Heat-induced epitope retrieval is required for IHC on formalin-fixed paraffin-embedded tissue**

### Target Species

Mouse

### Species Cross Reactivity

Reacts with: Human, Rat, Chicken, Xenopus laevis

**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 - liquid

<b>Preparation</b>	Purified IgG prepared by peptide-affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Synthetic peptide derived from the C-terminus of mouse catenin alpha 1
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P35221</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1495</a>    CTNNA1    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p><b>Mouse anti catenin alpha 1 antibody</b> clone alpha-CAT-7A4 recognizes catenin alpha 1 also known as alpha E-catenin, cadherin-associated protein or renal carcinoma antigen NY-REN-13.</p> <p>Catenin alpha 1 is a member of the catenin protein family, which also includes the catenin beta, catenin gamma and catenin delta proteins. Catenin alpha 1 is an important actin binding protein and has also been shown to function as a tumor suppressor (<a href="#">Piao <i>et al.</i> 2014</a>, <a href="#">Silvis <i>et al.</i> 2014</a>).</p>
<b>Western Blotting</b>	Mouse anti catenin alpha 1 antibody recognizes a band of approximately 100 kDa in HeLa cell lysate
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6033">https://www.bio-rad-antibodies.com/SDS/MCA6033</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>

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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](https://bio-rad-antibodies.com/datasheets)  
'M381790:210512'

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