

## Datasheet: MCA465GA

**BATCH NUMBER 151502**

<b>Description:</b>	MOUSE ANTI HUMAN VINCULIN
<b>Specificity:</b>	VINCULIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	V284
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry (1)	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (2)	▪			
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			1/500 - 1/2000
Immunofluorescence	▪			

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) Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

**(2) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat, Rabbit, Chicken, Mouse

**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.

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<b>Product Form</b>	Purified IgG - liquid
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<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
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<b>Carrier Free</b>	Yes
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
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<b>Immunogen</b>	Purified vinculin from human platelets
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P18206</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">7414</a> VCL <a href="#">Related reagents</a>
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<b>Fusion Partners</b>	Spleen cells of immunised mice were fused with cells from the SP2/0 mouse myeloma line
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<b>Specificity</b>	<p><b>Mouse anti Human vinculin antibody, clone V284</b> recognizes human vinculin, also known as metavinculin. Vinculin is a highly conserved, cytoskeletal protein associated with cell-cell and cell-matrix adhesion. Vinculin is an actin filament (F-actin)-binding protein involved in anchoring F-actin to the membrane.</p> <p>Mouse anti Human vinculin antibody, clone V284 detects vinculin as a ~130 kDa band in homogenates of platelets and other cells. It reacts with leucocytes, muscle cells, epithelial cells and fibroblasts.</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul
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<b>Histology Positive Control Tissue</b>	Human appendix
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<b>References</b>	<ol style="list-style-type: none"><li>1. Porter, R.M. <i>et al.</i> (1993) Monoclonal antibodies to cytoskeletal proteins: an immunohistochemical investigation of human colon cancer. <a href="#">J Pathol. 170 (4): 435-40.</a></li><li>2. Kubler, M.D. &amp; Watt, F.M. (1993) Changes in the distribution of actin-associated proteins during epidermal wound healing. <a href="#">J Invest Dermatol. 100 (6): 785-9.</a></li><li>3. DeFife, K.M. <i>et al.</i> (1999) Cytoskeletal and adhesive structural polarizations accompany IL-13-induced human macrophage fusion. <a href="#">J Histochem Cytochem. 47: 65-74.</a></li><li>4. Jester, J.V. <i>et al.</i> (1999) Transforming growth factor(beta)-mediated corneal</li></ol>
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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
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 (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**North & South America** Tel: +1 800 265 7376

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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://www.bio-rad-antibodies.com/datasheets)

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