Datasheet: MCA465GA

**Description:** MOUSE ANTI HUMAN VINCULIN

**Specificity:** VINCULIN

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** V284

**Isotype:** IgG1

**Quantity:** 0.1 mg

**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).

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry (1)</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin (2)</td>
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<td>ELISA</td>
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<td>1/500 - 1/2000</td>
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<td>Immunofluorescence</td>
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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.

**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 (NaN₃)
**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**Immunogen**

Purified vinculin from human platelets

**External Database Links**

UniProt: P18206  Related reagents

Entrez Gene: 7414  VCL  Related reagents

**Fusion Partners**

Spleen cells of immunised mice were fused with cells from the SP2/0 mouse myeloma line

**Specificity**

Mouse anti Human vinculin antibody, clone V284 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.

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.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul

**Histology Positive Control Tissue**

Human appendix

**References**


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.

Shelf Life

18 months from date of despatch

Health And Safety


Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Goat Anti Mouse IgG (STAR76...) RPE
Rabbit Anti Mouse IgG (STAR12...) RPE
Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Human Anti Mouse IgG1 (HCA036...) HRP
Goat Anti Mouse IgG (STAR70...) FITC