

## Datasheet: VMA00417

<b>Description:</b>	MOUSE ANTI CORTACTIN
<b>Specificity:</b>	CORTACTIN
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	100 µl

## 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
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).
<b>Immunogen</b>	Human cortactin produced in HEK293 cells

### External Database Links

#### UniProt:

[Q14247](#)

[Related reagents](#)

#### Entrez Gene:

<b>Synonyms</b>	EMS1
<b>Specificity</b>	<p><b>Mouse anti Human cortactin antibody</b> recognizes the Src kinase substrate cortactin, also known as CTTN, amplexin, ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate) and oncogene EMS1.</p> <p>The CTTN gene product is overexpressed in breast cancer and squamous cell carcinomas of the head and neck. The CTTN protein is localized in the cytoplasm and in areas of the cell-substratum contacts. CTTN has two roles: (1) regulating the interactions between components of adherens-type junctions and (2) organizing the cytoskeleton and cell adhesion structures of epithelia and carcinoma cells. During apoptosis, the encoded protein is degraded in a caspase-dependent manner. The aberrant regulation of CTTN contributes to tumor cell invasion and metastasis. Three splice variants that encode different isoforms have been identified for CTTN (provided by RefSeq, May 2010).</p> <p>Mouse anti Human cortactin antibody detects a band of 85 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti cortactin detects a band of approximately 85 kDa in MCF7 cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00417">https://www.bio-rad-antibodies.com/SDS/VMA00417</a> Antibody (10040)
<b>Regulatory</b>	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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