

## Datasheet: VMA00353

<b>Description:</b>	MOUSE ANTI CALPAIN-1
<b>Specificity:</b>	CALPAIN-1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	1376CT809.24.85
<b>Isotype:</b>	IgG1
<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
Immunoprecipitation	▪			
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>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml.
<b>Immunogen</b>	KLH conjugated synthetic peptide between amino acids from the human region of human calpain-1

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P07384</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">823</a> CAPN1 <a href="#">Related reagents</a>
<b>Synonyms</b>	CANPL1
<b>Specificity</b>	<p><b>Mouse anti Human calpain-1 antibody</b> recognizes calpain-1, also known as CAPN1, calcium-activated neutral proteinase 1, calpain mu-type, calpain, large polypeptide L1, calpain-1 large subunit, cell proliferation-inducing gene 30 protein, cell proliferation-inducing protein 30 and micromolar-calpain.</p> <p>The calpains, calcium-activated neutral proteases, are non-lysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. CAPN1 encodes the large subunit of the ubiquitous enzyme, calpain-1. Several transcript variants encoding two different isoforms have been found for CAPN1 (provided by RefSeq, Nov 2010).</p> <p>Mouse anti Human calpain-1 antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti calpain-1 detects a band of approximately 80 kDa in K562 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/VMA00353">https://www.bio-rad-antibodies.com/SDS/VMA00353</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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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