

## Datasheet: VMA00514

<b>Description:</b>	MOUSE ANTI SPECTRIN BETA
<b>Specificity:</b>	SPECTRIN BETA
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG2b
<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
Flow Cytometry	▪			
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>	<i>E. coli</i> derived recombinant protein corresponding to amino acids 2089-2364 of human spectrin beta

**External Database  
Links**

**UniProt:**

[Q01082](#)

[Related reagents](#)

**Entrez Gene:**

[6711](#)

SPTBN1

[Related reagents](#)

**Synonyms**

SPTB2

**Specificity**

**Mouse anti Human spectrin beta antibody** recognizes spectrin beta chain, non-erythrocytic 1, also known as beta-G spectrin, beta-spectrin 2, embryonic liver beta-fodrin, epididymis luminal protein 102 or fodrin beta chain.

Spectrin is an actin crosslinking and molecular scaffold protein that links the plasma membrane to the actin cytoskeleton, and functions in the determination of cell shape, arrangement of transmembrane proteins, and organization of organelles. It is composed of two antiparallel dimers of alpha- and beta- subunits. SPTBN1 is one member of a family of beta-spectrin genes. The encoded protein contains an N-terminal actin-binding domain, and 17 spectrin repeats which are involved in dimer formation. Multiple transcript variants encoding different isoforms have been found for SPTBN1 (provided by RefSeq, Jul 2008).

Mouse anti Human spectrin beta antibody detects a band of 275 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti spectrin beta detects a band of approximately 275 kDa in Jurkat cell lysate..

**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

**Guarantee**

12 months from date of despatch.

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00514>  
Antibody (10040)

**Regulatory**

For research purposes only.

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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)

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