

Datasheet: VMA00730

**BATCH NUMBER 100004116**

<b>Description:</b>	MOUSE ANTI TRIM21
<b>Specificity:</b>	TRIM21
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/1G5
<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
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 affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein of amino acids 1-475 of human TRIM21

**External Database  
Links**

**UniProt:**

[P19474](#)   [Related reagents](#)

**Entrez Gene:**

[6737](#) TRIM21   [Related reagents](#)

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**Synonyms**

RNF81, RO52, SSA1

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**Fusion Partners**

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

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**Specificity**

**Mouse anti Human TRIM21 antibody** recognizes the E3 ubiquitin-protein ligase TRIM21, also known as RO52, RO/SSA, RING finger protein 81, SS-A and Sicca syndrome antigen A.

In humans, the TRIM family of proteins includes over 100 structurally similar proteins with a broad range of cellular roles. TRIM21 is an Fc receptor involved in the immune response within cells, binding to antibodies that are carried by pathogens into the cytosol, and activating protective inflammatory signaling and antiviral responses. (Foss et al. 2015). TRIM21 is associated with autoimmune diseases including systemic lupus erythematosus (SLE) and Sjögren syndrome, involving hyperactivation of the type 1 interferon response (Kimura et al. 2017). TRIM21 has protective effects in hepatocellular carcinoma and diffuse large B-cell lymphoma, but conversely, low levels of TRIM21 correlate with prolonged overall survival and disease-free survival in pancreatic cancer. These differences may reflect the differences in downstream targets of TRIM21 involved with different types of cancer (Nguyen and Irby 2017).

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**Western Blotting**

Mouse anti TRIM21 detects a band of approximately 52 kDa in HEK293 cell lysates

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**Storage**

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

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00730>  
Antibody (10040)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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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