

Datasheet: VMA00730

BATCH NUMBER 160339

Description:	MOUSE ANTI TRIM21
Specificity:	TRIM21
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1G5
Isotype:	IgG2b
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<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](#)

Synonyms

RNF81, RO52, SSA1

Fusion Partners

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

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](#)).

Western Blotting

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

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/VMA00730>
Antibody (10040)

Regulatory

For research purposes only

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)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

'M374454:201106'

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

Printed on 10 Apr 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)