

Datasheet: VMA00981

**BATCH NUMBER 64726710**

<b>Description:</b>	MOUSE ANTI STAT1 (pTyr701)
<b>Specificity:</b>	STAT1 (pTyr701)
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	LM02-3C10
<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
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. Learn about [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 0.2 mg/ml
<b>Immunogen</b>	Peptide, aa 689-710 (EPMELDGPKGTGpYIKTELISVS) of human STAT1

**External Database  
Links**

**UniProt:**

[P42224](#)   [Related reagents](#)

**Entrez Gene:**

[6772](#)   STAT1   [Related reagents](#)

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**Specificity**

**Mouse anti STAT1 (pTyr701) antibody** recognizes STAT1, also known as transcription factor ISGF-3 components p91/p84, when phosphorylated at tyrosine 701. STAT1 is part of the transcription factor STAT family of proteins. STAT proteins form homo- or hetero-dimers once phosphorylated by receptor associated kinases. Following dimerization STAT proteins then translocate to the cell nucleus. Phosphorylation at tyrosine 701 induces dimerization and activates the transcriptional activity of STAT1 ([Wenta et al. 2008](#)).

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**Western Blotting**

Mouse anti STAT1 (pTyr701) antibody detects bands of approximately 83 kDa and 89 kDa in IFN $\alpha$  treated HeLa cells

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**Storage**

This product is shipped at ambient temperature.  
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/VMA00981>

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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](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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