

Datasheet: VMA00981

Description:	MOUSE ANTI STAT1 (pTyr701)
Specificity:	STAT1 (pTyr701)
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	LM02-3C10
Isotype:	IgG1
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 purified by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.2 mg/ml
Immunogen	Peptide, aa 689-710 (EPMELDGPKGTGpYIKTELISVS) of human STAT1

**External Database
Links**

UniProt:

[P42224](#) [Related reagents](#)

Entrez Gene:

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

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 heterodimers 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](#)).

Western Blotting

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

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/VMA00981>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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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://www.bio-rad-antibodies.com/datasheets)

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