Datasheet: VMA00980

BATCH NUMBER 100005903

Description:	MOUSE ANTI STAT1
Specificity:	STAT1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	P02-5B7
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	▪			1/5000

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 1.0 mg/ml
Immunogen	Peptide, aa 689-710 (EPMELDGPKGTGYIKTELISVS) of human STAT1

External Database Links	**UniProt:** P42224 Related reagents **Entrez Gene:** 6772 STAT1 Related reagents
Specificity	**Mouse anti STAT1 antibody** recognizes signal transducer and activator of transcription 1-alpha/beta (STAT1) also known as transcription factor ISGF-3 components p91/p84. STAT1 is part of the transcription factor STAT family of proteins. Members of the STAT family respond to cytokines and growth factors and are phosphorylated by receptor associated kinases to form homo- or hetero-dimers. These then translocate to the cell nucleus to act as transcription activators. STAT1 is activated by a number of different ligands including the interferon, gp130 and receptor tyrosine kinase families (Gerhartz *et al.* 1996). Mutations in the STAT1 gene lead to a number of immunological disorders including severe combined immunodeficiency phenotypes (Sharfe *et al.* 2014), or more selective immunodeficiencies to macrophagic (usually mycobacteria) bacteria, viruses or fungi depending on the mutation or abnormality involved (Boisson-Dupuis *et al.* 2012).
Western Blotting	Mouse anti STAT1 antibody detects bands of approximately 86 kDa and 92 kDa in HeLa cells
Storage	Store undiluted at -20^{o}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/VMA00980 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 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	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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

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