

Datasheet: VMA00711

BATCH NUMBER 171011

Description:	MOUSE ANTI STAT5
Specificity:	STAT5
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI9F7
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 affinity purified on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin <50% Glycerol
Immunogen	Full length recombinant human STAT5A produced in HEK293T cells

**External Database
Links**

UniProt:

[P42229](#) [Related reagents](#)
[P51692](#) [Related reagents](#)

Entrez Gene:

[6776](#) STAT5A [Related reagents](#)
[6777](#) STAT5B [Related reagents](#)

Synonyms

STAT5

Specificity

Mouse anti Human STAT5 antibody recognizes the signal transducer and activator of transcription 5A/5B.

Signal transducer and activator of transcription 5 (STAT5) refers to two highly related proteins, STAT5A and STAT5B, which are part of the STAT family of transcription factors. In response to cytokines (IL2, IL4) and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. It has been shown that STAT5 is involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. Though STAT5A and STAT5B are encoded by separate genes, the proteins are 90% identical at the amino acid level. Aberrant STAT5 activity has been shown to be closely connected to a wide range of human cancers (provided by RefSeq, Jul 2008).

Mouse anti Human STAT5 detects a band of 90 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Mouse anti STAT5 detects a band of approximately 90 kDa in K562 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 #10048 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00711>
Antibody (10048)

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 \(MCA928\)](#)

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

'M370391:200529'

Printed on 25 Mar 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)