

## Datasheet: VMA00711

<b>Description:</b>	MOUSE ANTI STAT5
<b>Specificity:</b>	STAT5
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI9F7
<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. 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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin <50% Glycerol
<b>Immunogen</b>	Full length recombinant human STAT5A produced in HEK293T cells
<b>External Database Links</b>	<b>UniProt:</b>

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

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

**Entrez Gene:**

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

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

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**Synonyms**

STAT5

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**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.

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**Western Blotting**

Mouse anti STAT5 detects a band of approximately 90 kDa in K562 cell lysates

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**Storage**

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 #10048 available at:  
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

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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 \(MCA928\)](#)

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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**Printed on 29 Aug 2021**

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