

## Datasheet: VMA00211

<b>Description:</b>	MOUSE ANTI SOX9
<b>Specificity:</b>	SOX9
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OT12H10
<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>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 1-205 of human SOX9 (NP_000337) produced in <i>E. coli</i>
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P48436</a> <a href="#">Related reagents</a>

**Entrez Gene:**[6662](#) SOX9 [Related reagents](#)

**Specificity** **Mouse anti Human SOX9 antibody** recognizes the transcription factor SOX9, also known as SRY (sex-determining region Y)-box 9 protein and SRY-related HMG-box, gene 9.

The protein encoded by the SOX9 gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal (provided by RefSeq, Jul 2008).

Mouse anti Human SOX9 antibody detects a band of 70 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting** Anti SOX9 detects a band of approximately 70 kDa in HepG2 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: Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

**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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