

Datasheet: VMA00573

**BATCH NUMBER 100004115**

<b>Description:</b>	MOUSE ANTI YY1
<b>Specificity:</b>	YY1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD02/2B2
<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
Immunoprecipitation	▪			
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

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### 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

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human YY1 (amino acids 1 - 414)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P25490</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7528</a>    YY1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	INO80S
<b>Specificity</b>	<p><b>Mouse anti Human YY1 antibody</b> recognizes the transcriptional repressor protein YY1, also known as INO80 complex subunit S or Yin and Yang 1 protein.</p> <p>The protein YY1 is a ubiquitously-expressed zinc finger transcription factor which can act as an activator or repressor of transcription under different circumstances (Galloway et al. 2017). In addition to transcriptional regulation, YY1 is involved with cell proliferation, chromatin remodeling and apoptosis. Many targets of YY1, for example ERBB2 and p53, are involved with cancer pathogenesis (Kaufhold et al. 2016). Accordingly, YY1 is overexpressed in multiple cancer types, and overexpression is correlated with poor prognosis (Cho and Bonavida 2017). YY1 may be inhibited by siRNA, proteasome inhibitors, and a variety of other factors. Inhibition of YY1 has been suggested as a potential target in cancer (Bonavida 2017).</p>
<b>Western Blotting</b>	Anti YY1 detects a band of approximately 62 kDa in Jurkat cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00573">https://www.bio-rad-antibodies.com/SDS/VMA00573</a> Antibody (10040)
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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