

## Datasheet: VMA00573

<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
Immunofluorescence	▪			

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Learn about [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>	<p>Reacts with: Mouse, Rat</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.
<b>Buffer Solution</b>	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, clone CD02/2B2</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 (<a href="#">Galloway et al. 2017</a>). 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 (<a href="#">Kaufhold et al. 2016</a>). Accordingly, YY1 is overexpressed in multiple cancer types, and overexpression is correlated with poor prognosis (<a href="#">Cho and Bonavida 2017</a>). 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 (<a href="#">Bonavida 2017</a>).</p>
<b>Western Blotting</b>	Anti YY1 detects a band of approximately 62 kDa in Jurkat cell lysates.
<b>Storage</b>	<p>This product is shipped at ambient temperature.</p> <p>Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p>
<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>	<p>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></p>
<b>Regulatory</b>	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

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

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M443631:250709'

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