

## 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

**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.

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>).

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml.

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**Immunogen** *E. coli*-derived recombinant human YY1 (amino acids 1 - 414)

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## External Database Links

**UniProt:**  
[P25490](#)    [Related reagents](#)

**Entrez Gene:**  
[7528](#)    YY1    [Related reagents](#)

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**Synonyms** INO80S

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**Specificity** **Mouse anti Human YY1 antibody** recognizes the transcriptional repressor protein YY1, also known as INO80 complex subunit S or Yin and Yang 1 protein.

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](#)).

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**Western Blotting** Anti YY1 detects a band of approximately 62 kDa in Jurkat 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 #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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 \(MCA928\)](#)

**North & South** Tel: +1 800 265 7376

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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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