

## Datasheet: VMA00820

<b>Description:</b>	MOUSE ANTI hnRNP C
<b>Specificity:</b>	hnRNP C
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB05/4F12
<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

**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 affinity purified on Protein G from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide

## Stabilisers

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

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**Immunogen** *E. coli*-derived recombinant protein of amino acids 1-306 of human hnRNP C

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## External Database Links

**UniProt:**  
[P07910](#)    [Related reagents](#)

**Entrez Gene:**  
[3183](#) HNRNPC    [Related reagents](#)

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**Synonyms** HNRPC

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**Fusion Partners** Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

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**Specificity** **Mouse anti hnRNP C antibody** recognizes heterogeneous nuclear ribonucleoproteins C1/C2, also known as HNRPC.

hnRNP C is a ubiquitously expressed nuclear RNA-binding protein that can associate with all nascent mRNA transcripts ([Zarnack et al. 2013](#)). This protein is involved with stages of RNA maturation including pre-mRNA splicing, mRNA stability, and translational modulation ([Nasrin et al. 2014](#)), and one of its main functions appears to be protection of the human transcriptome from aberrant Alu exonization ([Zarnack et al. 2013](#)). In addition, hnRNP C plays roles in cell proliferation and differentiation. During the G2/M phase of the cell cycle, hnRNP C translocates from the nucleus to the cytoplasm where it is able to affect translation and regulate mitosis ([Yang et al. 2013](#)).

**Western Blotting** Mouse anti hnRNP C antibody detects a band of approximately 40 kDa in HEK293 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: <https://www.bio-rad-antibodies.com/SDS/VMA00820>  
Antibody (10040)

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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 \(MCA928\)](#)

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To find a 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)

'M394636:220215'

Printed on 18 Jan 2024

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