

## Datasheet: VMA00914

<b>Description:</b>	MOUSE ANTI APOBEC3C
<b>Specificity:</b>	APOBEC3C
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD01/1C11
<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>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein of amino acids 1-190 of human APOBEC3C

**External Database  
Links**

**UniProt:**

[Q9NRW3](#)    [Related reagents](#)

**Entrez Gene:**

[27350](#)    APOBEC3C    [Related reagents](#)

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**Synonyms**

APOBEC1L, PBI

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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 APOBEC3C antibody** recognizes DNA dC->dU-editing enzyme APOBEC-3C, also known as A3C, APOBEC1-like and phorbolin I.

APOBEC3C is a member of the APOBEC3 gene family, encoding cytidine deaminases which mutate viral genomes, for example, by inhibiting endogenous retroelements and lentiviruses ([Harris and Dudley 2016](#)). The antiviral activity of APOBEC3C is generally weak compared with other APOBEC3s, but a gain-of-function mutation in the APOBEC3C gene confers more powerful activity against HIV-1 ([Wittkopp et al. 2016](#)). Expression pattern of APOBEC3C has been correlated with clinical outcome in subtypes of breast cancer, suggesting a functional role of APOBEC3C in these subtypes ([Zhang et al. 2015](#)).

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**Western Blotting**

Mouse anti APOBEC3C detects a band of approximately 21 kDa in K562 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/VMA00914>  
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://www.bio-rad-antibodies.com/datasheets)

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