

Datasheet: VMA00914

BATCH NUMBER 100005619

Description:	MOUSE ANTI APOBEC3C
Specificity:	APOBEC3C
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD01/1C11
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<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](#)

Synonyms	APOBEC1L, PBI
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti APOBEC3C antibody recognizes DNA dC->dU-editing enzyme APOBEC-3C, also known as A3C, APOBEC1-like and phorbolin I.</p> <p>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).</p>
Western Blotting	Mouse anti APOBEC3C detects a band of approximately 21 kDa in K562 cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00914 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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'M387328:210623'

Printed on 13 Aug 2023

