

## Datasheet: VMA00266KT

<b>Description:</b>	LAMININ BETA 3 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	LAMININ BETA 3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI3A2
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	2 Westerns

## 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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 424-773 of human laminin beta 3 (NP_000219) produced in <i>E. coli</i>
<b>External Database</b>	<b>UniProt:</b>

**Links**

[Q13751](#) [Related reagents](#)

**Entrez Gene:**

[3914](#) LAMB3 [Related reagents](#)

**Synonyms**

LAMNB1

**Specificity**

**Mouse anti Human laminin beta 3 antibody** recognizes the laminin subunit beta-3, also known as epiligrin subunit bata, kalinin B1 chain, kalinin subunit beta, kalinin-140kDa, laminin B1k chain, laminin S B3 chain, laminin subunit beta-3, laminin, beta 3 (nicein (125kD), kalinin (140kD), BM600 (125kD)), laminin-5 subunit beta, nicein subunit beta and nicein-125kDa.

Encoded by LAMB3 gene, laminin beta 3 belongs to a family of basement membrane proteins. This protein, together with an alpha and a gamma subunit, forms laminin-5. Mutations in LAMB3 cause epidermolysis bullosa junctional Hertz type, and generalized atrophic benign epidermolysis bullosa, diseases that are characterized by blistering of the skin. Multiple alternatively spliced transcript variants that encode the same protein have been found for LAMB3 (provided by RefSeq, Jul 2008).

Mouse anti Human laminin beta 3 antibody detects a band of 150 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti laminin beta 3 detects a band of approximately 150 kDa in A431 cell lysates

**Instructions For Use**

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

**Lysate Composition**

400µg A431 lysate lyophilized in RIPA buffer.

**Lysate Reconstitution**

- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

**Storage**

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

**Guarantee**

As supplied, 12 months from date of despatch.

**Acknowledgements**

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**

Material Safety Datasheet documentation #10048 #10561 available at:  
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

---

**Regulatory**

For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

From March 15, 2021, we will no longer supply printed datasheets with our products.

Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

'M351677:190318'

**Printed on 10 Feb 2021**