

## Datasheet: VMA00266

<b>Description:</b>	MOUSE ANTI LAMININ BETA 3
<b>Specificity:</b>	LAMININ BETA 3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<b>Clone:</b>	OT13A2
<b>Isotype:</b>	IgG2a
<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

**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>	Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	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 Links</b>	<b>UniProt:</b> <a href="#">Q13751</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3914</a> LAMB3 <a href="#">Related reagents</a>
<b>Synonyms</b>	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 Herlitz 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.

**Storage**

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

**Shelf Life**

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 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 \(MCA929\)](#)

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'M284574:160321'

Printed on 01 May 2018

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