

## Datasheet: VMA00436KT

<b>Description:</b>	EPLIN ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	EPLIN
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI9F3
<b>Isotype:</b>	IgG1
<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 fragment corresponding to aa 1-275 of human EPLIN (NP_057441) produced in <i>E.coli</i>
<b>External Database</b>	<b>UniProt:</b>

**Links**

[Q9UHB6](#) [Related reagents](#)

**Entrez Gene:**

[51474](#) LIMA1 [Related reagents](#)

**Synonyms**

EPLIN, SREBP3

**Specificity**

**Mouse anti Human EPLIN antibody** recognizes epithelial protein lost in neoplasm (EPLIN), also known as LIM domain and actin-binding protein 1, LIMA1 and sterol regulatory element binding protein 3.

Encoded by the EPLIN / LIMA1 gene, epithelial protein lost in neoplasm is a cytoskeleton-associated protein that inhibits actin filament depolymerization and cross-links filaments in bundles. It is downregulated in some cancer cell lines. Alternatively spliced transcript variants encoding different isoforms have been described for LIMA1, and expression of some of the variants maybe independently regulated (provided by RefSeq, Aug 2011).

Mouse anti Human EPLIN antibody detects bands of 85 and 110 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti EPLIN detects bands of approximately 85 kDa and 110 kDa in HEK293 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 HEK293 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>

Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

**Regulatory**

For research purposes only

## 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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