

## Datasheet: VMA00864

<b>Description:</b>	MOUSE ANTI LIN28B
<b>Specificity:</b>	LIN28B
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD03/4D4
<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 1-250 of human LIN28B

**External Database  
Links**

**UniProt:**

[Q6ZN17](#)

[Related reagents](#)

**Entrez Gene:**

[389421](#)

LIN28B

[Related reagents](#)

**Synonyms**

CSDD2

**Fusion Partners**

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

**Specificity**

**Mouse anti LIN28B antibody** recognizes protein lin-28 homolog B, also known as CSDD2.

LIN28B is a cytoplasmic RNA-binding protein (RBP) involved with orchestrating fetal hematopoiesis, able to specify the fate of hematopoietic stem and progenitor cells (HSPCs) ([Wang et al. 2019](#)). It is therefore highly expressed in embryonic tissues. LIN28B is completely silenced during differentiation and in healthy adult tissues, but is reactivated in numerous cancers - it is an oncofetal protein. Its expression has been associated with advanced disease and poor prognosis ([Kugel et al. 2016](#)). During pregnancy, decreased expression of LIN28B has been suggested to play a role in preeclampsia via reduction in trophoblast invasion and syncytialization and by promoting inflammation, hindering differentiation and migration of trophoblasts ([Canfield et al. 2019](#)).

**Western Blotting**

Mouse anti LIN28B antibody detects a band of approximately 24 and 33 kDa in HepG2 cell lysates

**Storage**

This product is shipped at ambient temperature.  
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/VMA00864>  
Antibody (10040)

**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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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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