

Datasheet: VMA00864

BATCH NUMBER 64622442

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

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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