

Datasheet: VMA00685

Description:	MOUSE ANTI CTGF
Specificity:	CTGF
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1E5
Isotype:	IgG2a
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

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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 1-349 of human CTGF
External Database Links	<p>UniProt: P29279 Related reagents</p> <p>Entrez Gene: 1490 CTGF Related reagents</p>
Synonyms	CCN2, HCS24, IGFBP8
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti Human CTGF antibody recognizes the connective tissue growth factor, also known as CCN2, IGF-binding protein 8, and IGFBP-8.</p> <p>CTGF is a matricellular protein that can simultaneously bind to multiple ligands and modifies a variety of growth factors and cytokines. In this way, CTGF contributes to cell migration, proliferation and inflammation (Toda et al. 2018). CTGF, activated by pro-fibrotic TGF-beta (Song et al. 2017a), plays an essential role in fibrosis of multiple tissues, including skin, heart, liver, lung, and kidney (Makino et al. 2017). Fibrosis is a strong risk factor for several cancer types, including hepatocellular carcinoma (HCC) (Sakurai and Kudo 2013) and lung cancer (Park et al. 2001). Increased expression of CTGF in tumor cells is associated with worse prognosis, and knockdown of CTGF has resulted in greater therapeutic efficacy of anticancer drugs in hepatocellular carcinoma (Song et al. 2017b).</p>
Western Blotting	Mouse anti CTGF detects a band of approximately 36 kDa in MCF7 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: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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