

Datasheet: VMA00685

**BATCH NUMBER 64584198**

<b>Description:</b>	MOUSE ANTI CTGF
<b>Specificity:</b>	CTGF
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/1E5
<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

**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>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</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.
<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</b>	0.09% Sodium Azide

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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**Immunogen** *E. coli*-derived recombinant protein of amino acids 1-349 of human CTGF

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## External Database Links

### UniProt:

[P29279](#)    [Related reagents](#)

### Entrez Gene:

[1490](#) CTGF    [Related reagents](#)

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**Synonyms** CCN2, HCS24, IGFBP8

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

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**Specificity** **Mouse anti Human CTGF antibody** recognizes the connective tissue growth factor, also known as CCN2, IGF-binding protein 8, and IGFBP-8.

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](#)).

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**Western Blotting** Mouse anti CTGF detects a band of approximately 36 kDa in MCF7 cell lysates

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

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00685>  
Antibody (10040)

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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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](https://bio-rad-antibodies.com/datasheets)

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