

Datasheet: VMA00685

BATCH NUMBER 100004120

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	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

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

External Database Links

UniProt:

[P29279](#) [Related reagents](#)

Entrez Gene:

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

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 **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).

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: <https://www.bio-rad-antibodies.com/SDS/VMA00685>
Antibody (10040)

Regulatory For research purposes only

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

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