

Datasheet: MCA6172

Description:	MOUSE ANTI GRB7
Specificity:	GRB7
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB03/2E10
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 - 1/3000

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: Rat, Mouse

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

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein, aa 1-228 of human GRB7

External Database Links

UniProt:

[Q14451](#) [Related reagents](#)

Entrez Gene:

[2886](#) GRB7 [Related reagents](#)

Specificity **Mouse anti GRB7 antibody** recognizes growth factor receptor-bound protein 7, also known as B47, and GRB7 adapter protein.

GRB7 is a multidomain adapter protein which modulates signaling through receptor kinases, promoting activation of downstream kinases through a number of signaling pathways. Through this activity, GRB7 is a critical mediator of EGFR signaling and mediates processes involved with cancer development, including cell survival, proliferation, invasion and metastasis ([Chu et al. 2019](#)). GRB7 is often overexpressed alongside HER2 in breast cancer, and is a predictor of poor prognosis ([Luoh et al. 2019](#)). Overexpression of GRB7 has also been demonstrated in cervical cancer, and facilitates invasion of cancer cells and inhibits apoptosis ([Zhao et al. 2017](#)).

Western Blotting Mouse anti GRB7 antibody detects a band of approximately 60 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: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

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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://www.bio-rad-antibodies.com/datasheets)

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