

Datasheet: VMA00983

BATCH NUMBER 100005905

Description:	MOUSE ANTI EGF RECEPTOR (pThr669)
Specificity:	EGF R (pThr669)
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	EF02-2C12
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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Peptide, aa 684-702 (QERELVEPLpTPSGEAPNQA) of human EGF R

External Database**Links****UniProt:**

[P00533](#) [Related reagents](#)

Entrez Gene:

[1956](#) EGFR [Related reagents](#)

Synonyms

ERBB1

Specificity

Mouse anti Human EGF receptor (pThr669) antibody recognizes the epidermal growth factor receptor (EGFR), also known as proto-oncogene c-ErbB-1 or receptor tyrosine-protein kinase erbB-1, when phosphorylated at threonine 669. EGFR is a transmembrane glycoprotein and a member of the ErbB receptor tyrosine kinase family. EGFR is a cell surface receptor for members of the epidermal growth factor family.

EGFR plays a role in numerous cellular processes such as cell proliferation and apoptosis through the activation of downstream signaling pathways ([Scaltriti and Baselga 2006](#)).

EGF R is phosphorylated at threonine 669 by p38 MAPK which contributes to receptor internalization ([Winograd-Katz and Levitzki 2006](#)).

Western Blotting

Mouse anti EGF R (pTyr669) antibody detects bands of approximately 182 kDa in EGF treated A431 cells

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/VMA00983>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M390062:210823'

Printed on 13 Aug 2023
