

Datasheet: VMA00983

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](#)).

EGFR 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](#)

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

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