

Datasheet: VMA00750

Description:	MOUSE ANTI EGF RECEPTOR (pTyr1086)
Specificity:	EGF R (pTyr1086)
Other names:	ERBB, ERBB1, HER1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
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 ultrafiltration and size exclusion chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	PEG & Sucrose
Immunogen	Phosphopeptide conjugated to hemocyanin
External Database Links	UniProt:

Entrez Gene:

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

Synonyms	ERBB1
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Specificity	Mouse anti EGF receptor antibody recognizes the epidermal growth factor receptor, also known as proto-oncogene c-ErbB-1 or receptor tyrosine-protein kinase erbB-1, when phosphorylated at threonine 1086. EGF R 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 receptor is autophosphorylated at tyrosine 1086 upon ligand binding (Hsuan et al. 1989). This phosphorylation is critical for kinase loop activation (Kovacs et al. 2015). Macrophages have been reported to stimulate gastric and colorectal cancer cell invasion by activation of EGF R phosphorylation at tyrosine 1086 (Cardoso et al. 2014).
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Western Blotting	Mouse anti EGF receptor (pTyr1086) detects a band of approximately 175 kDa in pervanadate-treated A431 (treated lysate) 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 #20403 available at: Antibody (20403): https://www.bio-rad-antibodies.com/uploads/MSDS/20403.pdf
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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](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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

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