

Datasheet: VMA00748

**BATCH NUMBER 180704**

<b>Description:</b>	MOUSE ANTI EGF RECEPTOR (pTyr845)
<b>Specificity:</b>	EGF R (pTyr845)
<b>Other names:</b>	ERBB, ERBB1, HER1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by thiophilic adsorption and size exclusion chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide PEG & Sucrose
<b>Immunogen</b>	Phosphopeptide conjugated to KLH

**External Database  
Links**

**UniProt:**

[P00533](#)   [Related reagents](#)

**Entrez Gene:**

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

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**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 tyrosine 845. EGF R is a cell surface receptor for members of the epidermal growth factor family. 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 R is phosphorylated on tyrosine 845 by c-Src kinase ([Biscardi et al. 1999](#)). This modification modulates a variety of cellular functions by activating downstream signaling kinases ([Sato 2013](#)).

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**Western Blotting**

Mouse anti EGF receptor (pTyr845) 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:  
<https://www.bio-rad-antibodies.com/SDS/VMA00748>  
Antibody (20403)

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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](#)

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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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