

## Datasheet: VMA00750

<b>Description:</b>	MOUSE ANTI EGF RECEPTOR (pTyr1086)
<b>Specificity:</b>	EGF R (pTyr1086)
<b>Other names:</b>	ERBB, ERBB1, HER1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG2a
<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 ultrafiltration and size exclusion chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	PEG & Sucrose
<b>Immunogen</b>	Phosphopeptide conjugated to hemocyanin
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P00533</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1956</a>   EGFR   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	ERBB1

<b>Specificity</b>	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 ( <a href="#">Scaltriti and Baselga 2006</a> ). EGF receptor is autophosphorylated at tyrosine 1086 upon ligand binding ( <a href="#">Hsuan et al. 1989</a> ). This phosphorylation is critical for kinase loop activation ( <a href="#">Kovacs et al. 2015</a> ). Macrophages have been reported to stimulate gastric and colorectal cancer cell invasion by activation of EGF R phosphorylation at tyrosine 1086 ( <a href="#">Cardoso et al. 2014</a> ).
<b>Western Blotting</b>	Mouse anti EGF receptor (pTyr1086) detects a band of approximately 175 kDa in pervanadate-treated A431 (treated lysate) cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20403 available at: Antibody (20403): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20403.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20403.pdf</a>
<b>Regulatory</b>	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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