

## Datasheet: VMA00061

<b>Description:</b>	MOUSE ANTI EGF RECEPTOR
<b>Specificity:</b>	EGF R
<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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from ascites.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	<i>E. coli</i> derived recombinant protein corresponding to aa 363-499 of the human EGF receptor
<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>	<b>Mouse anti Human EGF receptor antibody</b> recognizes the epidermal growth factor receptor, also

known as Proto-oncogene c-ErbB-1 or receptor tyrosine-protein kinase erbB-1.

The protein encoded by EGFR is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGF receptor is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in EGFR are associated with lung cancer. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for EGFR. (provided by RefSeq, Jul 2010).

Mouse anti Human EGF receptor antibody detects a band of 170 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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<b>Western Blotting</b>	Anti EGF R detects a band of approximately 170 kDa in A431 cell lysates.
<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	As supplied, 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 #10040 available at: Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	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 \(MCA929\)](#)

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