

Datasheet: VMA00750

BATCH NUMBER 180704

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:

[P00533](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

ERBB1

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](#)).

Western Blotting

Mouse anti EGF receptor (pTyr1086) detects a band of approximately 175 kDa in pervanadate-treated A431 (treated lysate) cell lysates

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 #20403 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00750>
Antibody (20403)

Regulatory

For research purposes only

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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