

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 Stabilisers	0.09% Sodium Azide PEG & Sucrose
Immunogen	Phosphopeptide conjugated to hemocyanin
External Database Links	UniProt:

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 <i>et al.</i> 1989). This phosphorylation is critical for kinase loop activation (Kovacs <i>et al.</i> 2015). Macrophages have been reported to stimulate gastric and colorectal cancer cell invasion by activation of EGF R phosphorylation at tyrosine 1086 (Cardoso <i>et al.</i> 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](#)

Recommended Negative Controls

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

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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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