

Datasheet: VMA00749

Description:	MOUSE ANTI EGF RECEPTOR (pTyr1068)
Specificity:	EGF R (pTyr1068)
Other names:	ERBB, ERBB1, HER1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG1
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

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.

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	<p>UniProt: P00533 Related reagents</p> <p>Entrez Gene: 1956 EGFR Related reagents</p>
Synonyms	ERBB1

Specificity	Mouse anti Human 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 1068. 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 autophosphorylated at tyrosine 1068 upon ligand binding and receptor dimerization (Downward et al. 1984 ; Bishayee et al. 1999). Phosphorylation of this residue is required for binding of Grb2 adaptor protein (Yamauchi et al. 1997).
Western Blotting	Mouse anti EGF receptor (pTyr1068) detects a band of approximately 175 kDa in pervanadate-treated A431 (treated lysate) cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	As supplied, 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: Antibody (20403): https://www.bio-rad-antibodies.com/uploads/MSDS/20403.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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Printed on 09 Apr 2019