

Datasheet: VMA00753

Description:	MOUSE ANTI ErbB2 (pTyr1112)
Specificity:	ERBB2 (pTyr1112)
Other names:	HER2, MLN19, NEU, NGL
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

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:

[P04626](#) [Related reagents](#)

Entrez Gene:

[2064](#) ERBB2 [Related reagents](#)

Synonyms	HER2, MLN19, NEU, NGL
-----------------	-----------------------

Specificity	Mouse anti Human ErbB2 antibody recognizes receptor tyrosine-protein kinase erbB2, also known as proto-oncogene c-ErbB-2, receptor tyrosine-protein kinase ErbB-2, tyrosine kinase-type cell surface receptor HER2, when phosphorylated at tyrosine 1112. It belongs to the ErbB family of receptor tyrosine kinases (Muthuswamy et al. 1999), which plays an important roles in the development of organs such as the mammary gland (Xie et al. 1997) and central nervous system (Carraway 1996). Phosphorylated at tyrosine 1112 provides a docking site for c-Cbl E3 ligase, which mediates receptor ubiquitination (Hynes and Stern 1994). PTPN18 dephosphorylates ErbB2 on tyrosine 1112 thereby blocking the lysosomal routing of the receptor tyrosine kinase (Wang et al. 2014).
--------------------	---

Western Blotting	Mouse anti ErbB2 (pTyr1112) detects a band of approximately 185 kDa in HepG2 + EGF (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: 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 \(MCA928\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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)

'M370423:200529'

Printed on 21 Mar 2022