

Datasheet: MCA6298

**BATCH NUMBER 155771**

<b>Description:</b>	RABBIT ANTI ErbB2
<b>Specificity:</b>	ErbB2
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM228
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## 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
Immunohistology - Paraffin	▪			1/100 - 1/400
Western Blotting	▪			1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide

<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A peptide corresponding to the C-terminus of ErbB2
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P04626</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2064</a>    ERBB2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	HER2, MLN19, NEU, NGL
<b>Specificity</b>	<p><b>Rabbit anti Human ErbB2 antibody</b> recognizes receptor tyrosine-protein kinase erbB-2, also known as HER2, MLN19, NEU, NGL. The protein HER2, encoded by the ErbB2 gene, is a transmembrane glycoprotein which belongs to the epidermal growth factor receptor (EGFR)/HER1 family. The ErbB receptors carry out essential functions of development and tissue maintenance, but loss of regulation underlies many diseases (<a href="#">Wieduwilt and Moasser 2008</a>). ErbB2 is an oncogene and is amplified or overexpressed in many human malignancies, including approximately 30% of human breast cancers, and ErbB2-overexpressing tumors appear to predict a poor clinical outcome (<a href="#">Yu and Hung 2000</a>). Anti-HER2 drugs are used to treat HER2+ breast cancers, but drug resistance remains a challenge (<a href="#">Liu et al. 2020</a>).</p>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10048 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/MCA6298">https://www.bio-rad-antibodies.com/SDS/MCA6298</a>  10048</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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