

Datasheet: MCA6092

Description:	HUMAN ANTI ErbB2 (TRASTUZUMAB BIOSIMILAR)
Specificity:	ErbB2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	4D5-8
Isotype:	IgG1
Quantity:	0.2 mg

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
ELISA	▪			

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
Product Form	Human IgG1 (kappa) antibody - liquid
Preparation	Purified recombinant IgG prepared by affinity chromatography on Protein A from a mammalian cell line
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Proclin 300
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	A431 cells (human epidermoid carcinoma) (over)expressing EGFR
Specificity	Human Anti-ErbB2 antibody, clone 4D5-8 is a research grade biosimilar of the monoclonal antibody drug trastuzumab. It is a recombinant human IgG1 kappa antibody

with variable regions from the therapeutic trastuzumab antibody clone 4D5-8.

Human Anti-ErbB2 antibody, clone 4D5-8 is for research use only. It is suitable as a reference standard in a pharmacokinetic (PK) bridging ELISA with anti-trastuzumab antibodies, for example [HCA168](#) and [HCA167](#). It can also be used as capture and detection reagent in an anti-drug antibody (ADA) bridging ELISA, with an anti-trastuzumab antibody in IgG1 format as a reference standard, for example [HCA176](#) or [HCA177](#).

Trastuzumab, also known as Herceptin, is a drug used in the treatment of HER2 positive breast cancer and other HER2 over-expressing cancers including HER2-positive metastatic cancers of the gastrointestinal tract. Trastuzumab binds to the HER2 (or c-erbB2) proto-oncogene, an EGF receptor-like protein found on 20-30% of breast cancer cells. The binding leads to antibody mediated (complement mediated) killing of the HER2 positive cells.

This product is NOT FOR THERAPEUTIC USE.

[View a summary of supporting anti-trastuzumab antibody products.](#)

Purity	>98% by SDS PAGE
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Further Reading	1. Pivot, X. <i>et al.</i> (2015) Challenges in the implementation of trastuzumab biosimilars: an expert panel's recommendations. Anticancer Drugs. 26 (10): 1009-16.
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Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #20463 available at: 20463: https://www.bio-rad-antibodies.com/uploads/MSDS/20463.pdf
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Licensed Use	For in vitro research purposes only. Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK001P\)](#)

[HISPEC ASSAY DILUENT \(BUF049A\)](#)

[HUMAN ANTI TRASTUZUMAB \(HCA166\)](#)

[HUMAN ANTI TRASTUZUMAB \(HCA167\)](#)

[HUMAN ANTI TRASTUZUMAB \(HCA168\)](#)
[HUMAN ANTI TRASTUZUMAB \(HCA169\)](#)
[HUMAN ANTI TRASTUZUMAB \(HCA176\)](#)
[HUMAN ANTI TRASTUZUMAB:HRP \(HCA176P\)](#)
[HUMAN ANTI TRASTUZUMAB \(HCA177\)](#)
[HUMAN ANTI TRASTUZUMAB:HRP \(HCA177P\)](#)
[HUMAN ANTI TRASTUZUMAB \(DRUG/TARGET COMPLEX\) \(HCA263\)](#)
[HUMAN ANTI TRASTUZUMAB \(HCA270\)](#)

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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
'M383712:210513'

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