

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
Source	HEK
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. This product is supplied in a research grade format, i.e. in PBS buffer with preservative, it is not manufactured or formulated in the same way as the therapeutic reference product. A preservative free version is available [on request](#).

This product 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
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.
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.
Guarantee	12 months from date of despatch
Acknowledgements	ProClin is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.
Health And Safety Information	Material Safety Datasheet documentation #20463 available at: https://www.bio-rad-antibodies.com/SDS/MCA6092 20463
Licensed Use	For in vitro research purposes only. Research grade biosimilar. Not for use in therapeutic

or diagnostic procedures for humans or animals.

Regulatory

For research purposes only

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

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