

Datasheet: MCA6092

BATCH NUMBER 167850

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|----------------------|---|
| 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. *et al.* (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

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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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