

## Product Datasheet

# Trastuzumab Biosimilar Antibody, Research Grade (Anti-Her2 / ErbB2) (orb348902)

<b>Catalog Number</b>	orb348902
<b>Category</b>	Antibodies
<b>Description</b>	<p>Trastuzumab Biosimilar Antibody, Research Grade (Anti-Her2 / ErbB2) is a research-use monoclonal antibody designed to bind human Her2/ErbB2, also known as HER-2/neu, CD340 or p185HER2. It is suitable for laboratory research involving Her2/ErbB2 detection, assay development, antibody comparison and biosimilar studies. The trastuzumab anti-Her2 antibody framework has been described in the literature, including Carter, P. et al. Humanization of an anti-p185HER2 antibody for human cancer therapy. Proc Natl Acad Sci U S A, 89, 4285-4289 (1992). For research use only. Not for diagnostic, therapeutic or clinical use.</p>
<b>Target</b>	erbB-2 (Her-2/neu)
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Human
<b>Isotype</b>	Human IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	PBS with 0.02% Proclin 300.
<b>Purity</b>	Purified
<b>Immunogen</b>	A431 cells (human epidermoid carcinoma) (over)expressing EGFR.

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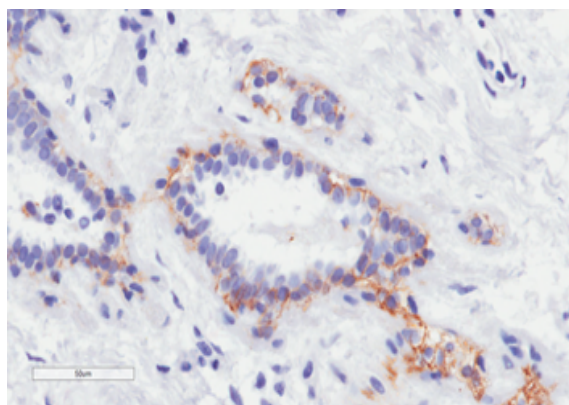
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<b>UniProt ID</b>	<b>P04626</b>
<b>Tested applications</b>	ELISA, FC, IHC
<b>Specificity</b>	Oncogenic protein Her-2/neu (erbB-2), a member of the family of epidermal growth factor (EGF) receptors, overexpressed in 30% of invasive breast cancers and 70% of ductal carcinomata in situ, in a small percentage of melanomas, and in other malignancies originating from various organs, including ovary, kidney, colon, and bladder.
<b>Clone Number</b>	4D5-8 (trastuzumab)
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Immunohistochemical staining of paraffin embedded human breast tissue using anti-erbB-2 antibody 4D5-8 (trastuzumab) (orb348902). Anti-erbB-2 (Her-2/neu) staining of paraffin embedded human breast tissue using the rabbit-chimeric version of 4D5-8 (trastuzumab) (orb348902). Antigen retrieval was achieved by microwaving in citrate buffer (pH6), followed by blocking with protein block serum-free buffer. Primary antibody incubation with orb348902 was carried out at 4 µg/ml for 30 minutes. Samples were then incubated with an anti-rabbit IgG HRP secondary antibody for 20 mins followed by DAB (3, 3'-diaminobenzidine), and counter-staining with haematoxylin. Weak membrane staining exclusively of ductal epithelial cells may be observed. Recommended concentration, 4-6 µg/ml.

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