

erbB-2 (Her-2/neu) Recombinant Antibody

Anti-erbB-2 (Her-2/neu) [4D5-8 (trastuzumab)]

CATALOG # AAA71923	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA
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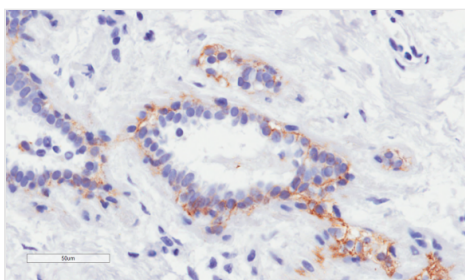
PRODUCT SYNONYMS

erbB-2 (Her-2/neu); Anti-erbB-2 (Her-2/neu) [4D5-8 (trastuzumab)]; CD340; Metastatic lymph node gene 19 protein (MLN 19); Protooncogene Neu; Proto-oncogene c-ErbB-2; Tyrosine kinase-type cell surface receptor HER2; p185erbB2; p185HER2; EGFR; erbB-2 (Her-2/neu) recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Isotype	Rabbit IgG, kappa
Clone Number	4D5-8 (trastuzumab)
Specificity	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.
Purity/Purification	Protein A Affinity Purified
Form/Format	PBS only with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for erbB-2 (Her-2/neu) recombinant antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	A431 cells (human epidermoid carcinoma) (over)expressing EGFR.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin embedded human breast tissue using anti-erbB-2 antibody 4D5-8 (trastuzumab) Anti-erbB-2 (Her-2/neu) staining of paraffin embedded human breast tissue using the rabbit-chimeric version of 4D5-8 (trastuzumab) 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 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for erbB-2 (Her-2/neu) recombinant antibody	Recombinant monoclonal antibody to erbB-2 (Her-2/neu). Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the therapeutic antibody 4D5-8 (trastuzumab). This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for erbB-2 (Her-2/neu) recombinant antibody	Biosimilar
References	Carter P, Presta L, Gorman CM, Ridgway JB, Henner D, Wong WL, Rowland AM, Kotts C, Carver ME, Shepard HM. Humanization of an anti-p185HER2 antibody for human cancer therapy. Proc Natl Acad Sci U S A. 1992 May 15; 89(10):4285-9. PMID:1350088

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P04626
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-recombinant-antibody/erbb-2-her-2-neu/71923>