



Datasheet for ABIN5668227

Recombinant anti-ErbB2/Her2 (Trastuzumab Biosimilar) antibody



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1 Image

Overview

Quantity:	200 µg
Target:	ErbB2/Her2 (Trastuzumab Biosimilar)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This ErbB2/Her2 (Trastuzumab Biosimilar) antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Immunogen:	A431 cells (human epidermoid carcinoma) (over)expressing EGFR.
Clone:	4D5-8
Isotype:	IgG kappa
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.
Characteristics:	OriginalSpeciesName: Human OriginalFormat: IgG1
Purification:	Purified antibody.

Product Details

Purity:	> 98 % as determined by SDS-PAGE
Endotoxin Level:	Endotoxin is < 1.0 EU/mg as determined by the LAL method

Target Details

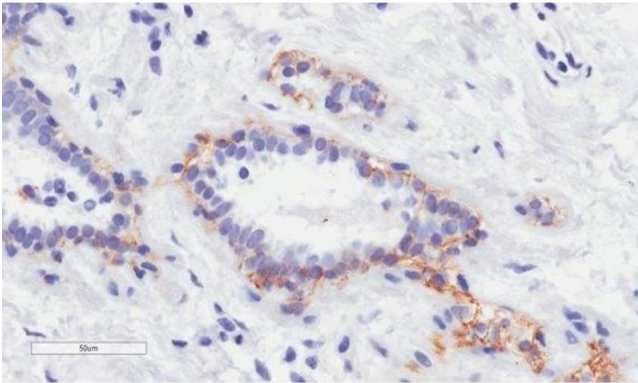
Target:	ErbB2/Her2 (Trastuzumab Biosimilar)
Abstract:	ErbB2/Her2 (Trastuzumab Biosimilar) Products
Target Type:	Biosimilar
Background:	CD340, Metastatic lymph node gene 19 protein (MLN 19), Proto-oncogene Neu, Proto-oncogene c-ErbB-2, Tyrosine kinase-type cell surface receptor HER2, p185erbB2, p185HER2, EGFR
UniProt:	P04626

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	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.
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunohistochemistry

Image 1. 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) (ABIN5668227). Antigen retrieval was achieved by microwaving in citrate buffer (pH 6), followed by blocking with protein block serum-free buffer (Dako, cat. #X0909). Primary antibody incubation with ABIN5668227 was carried out at 4 µg/mL for 30 minutes. Samples were then incubated with an anti-rabbit IgG HRP secondary antibody (Dako cat#K4009) 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.