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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-c-erbB2 [520C9] Standard Size Ab03624-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 520C9

Alternative Name(s) of Target: Breast cancer cells; CD340; Receptor tyrosine-protein kinase erbB-2; Neu; HER2; MLN19; Metastatic lymph node gene 19 protein; p185erbB2

UniProt Accession Number of Target Protein: P04626

Published Application(s): in vivo, IP, therapeutic, IF, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with breast cancer cell lines.

Specificity: The antibody binds an approximately 200 kD protein found in cancerous breast tissue which has been identified as c-erbB-2.

Application Notes: The antibody stained breast tumors and breast cancer lines (Ring et al., 1989; PMID: 2470501). The antibody was employed in immunocytochemical assay to identify breast tumor cells (Franklin et al., 1996; PMID: 8932871). Fab fragment of the antibody was generated and tested for in vivo efficacy in the MX-1 human breast tumor cell, where it showed a significant decrease in tumor volume (US5169774A). Immunoprecipitation tests on the antibody indicated that it bound to a monomeric c.a. 210,000 Da protein found in cancerous breast tissue with high association constant (US6054561A). The antibody was further evaluated for range breast cancer recognition by cell line immunofluorescence assays. The antibody showed positive results on SKBr3, BT483, CAMA1 (US5629197A). The antibody was employed in bi-specific and tri-specific antibody development to detect c-erbB2 expression and breast cancer treatment (Press et al. 2005; PMID: 16166438). Furthermore, it was employed in developing tri-functional antibody ertumaxomab for breast cancer patients (Jager et al. 2009; PMID: 19435924).

Antibody First Published in: PMID:

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.