

## Anti-HER2/neu [SER4] Standard Size Ab00383-1.1

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** SER4

**Alternative Name(s) of Target:** ERBB2; Receptor tyrosine-protein kinase erbB-2; human epidermal growth factor receptor 2;

**UniProt Accession Number of Target Protein:** P04626

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** Recombinant HER2/neu.

**Specificity:** The antibody binds specifically to the extracellular domain of human ErbB-2.

**Application Notes:** The antibody binds to human ErbB-2, a receptor tyrosine kinase (RTK) controlling cell growth and microtubule stabilization. Full-length antibody or Fab fragments cross-linked by secondary antibody had a growth-inhibiting effect on ErbB-2 positive MDA-MB-453 cells. This effect was not seen with Fab fragments alone.

**Antibody First Published in:** Itoh et al. Molecular structural and functional characterization of tumor suppressive anti-erbB-2 monoclonal antibody by phage display system. Journal of Biochemistry 2003; 133(2):239-245 [PMID:12761188](#)

**Note on publication:** Describes the generation of the SER4-monoclonal antibody and how the antibody inhibits cell growth in vitro.

## Product Form

**Size:** 200 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.