



# ERBB2 Monoclonal Antibody

<b>Product Code</b>	CSB-MA172796
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Immunogen</b>	Purified recombinant fragment of Human Her2 expressed in E. Coli
<b>Raised In</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Her2 antibody detects endogenous levels of total Her2
<b>Tested Applications</b>	ELISA,WB,IHC;Recommended dilution:WB:1:500-1:5000,IHC:1:50-1:500
<b>Relevance</b>	<p>This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.</p>
<b>Form</b>	Mouse IgG1 in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Clonality</b>	Monoclonal
<b>Alias</b>	C-erbB-2, EC 2.7.10.1, Epidermal growth factor receptor-related protein, ErbB2, HER2, MLN 19, NEU, NEU proto-oncogene, NGL, Receptor protein-tyrosine kinase erbB-2, Receptor protein-tyrosine kinase erbB-2 precursor, Tyrosine kinase-type cell surface recep
<b>Product Type</b>	Monoclonal Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)