

Anti-ErbB2/HER2 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # MR00001

Product Information

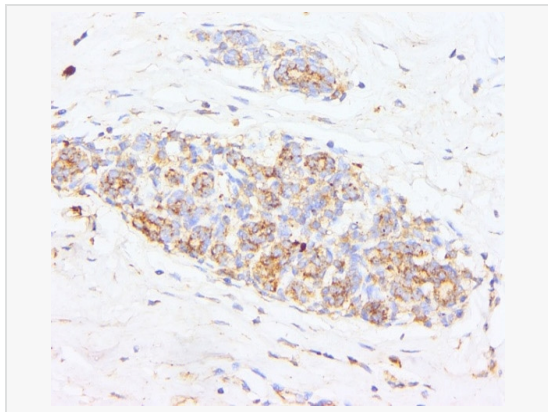
Application	ELISA, IF (Cell)/ICC, IHC-P, IF (Tissue-P), FC
Reactivity	Human
Dilution	ICC/IF 1:100~1:1,000; IHC-P 1:100; FC 1:100~1:1,000; ELISA 1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	23L213H6
Isotype	IgG1
Label	Unconjugated
Immunogen	Recombinant anti-ErbB2/HER2 monoclonal antibody recognizes endogenous levels of total ErbB2/HER2 protein.
Format	Purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. This antibody is purified through a protein G column.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ErbB2/HER2 Mouse mAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Verb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog, C erb B2/neu protein, CD340, CD340 antigen, Cerb B2/neu protein, CerbB2, Erb b2 receptor tyrosine kinase 2, ErbB-2 proto-oncogene, ERBB2, ERBB2_HUMAN, HER 2, HER 2/NEU, HER2, Herstatin, Human epidermal growth factor receptor 2, Metastatic lymph node gene 19 protein, MLN 19, MLN19, NEU, NEU proto oncogene, Neuro/glioblastoma derived oncogene homolog, Neuroblastoma/glioblastoma derived oncogene homolog, NGL, p185erbB2, Proto-oncogene c-ErbB-2, Proto-oncogene Neu, Receptor tyrosine-protein kinase erbB-2, TKR1, Tyrosine kinase type cell surface receptor HER2, Tyrosine kinase-type cell surface receptor HER2, V erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog), V erb b2 avian erythroblastic leukemia viral oncogene homolog 2, V erb b2 avian erythroblastic leukemia viral oncoprotein 2, V erb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian), V erb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog, Verb b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian).
Calculated MW	138 kDa
Uniprot ID	P04626, P06494
Gene ID	2064
Background	ErbB2 is 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



Human breast cancer cell line BT474 was fixed by 4% paraformaldehyde. The primary antibody used as 1:1,000 for incubation 30 min, wash with PBS 3 times, and incubated with secondary antibody anti-mouse conjugated with FITC for 30 min. Image was acquired by Olympus fluorescence microscopy IX73.



Immunohistochemical analysis of human breast carcinoma tissue labeling ErbB2/HER2 with anti-her2 at 1:100 dilution, followed by HRP-conjugated secondary antibody (LF101) and DAB staining. Positive staining on the human breast carcinoma is observed. Counter stained with hematoxylin.