Rabbit anti-Human Her2/ERBB2 Monoclonal Antibody | anti-ERBB2 antibody

Recombinant Anti-Her2/ERBB2 Antibody (FITC), Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254128	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay**

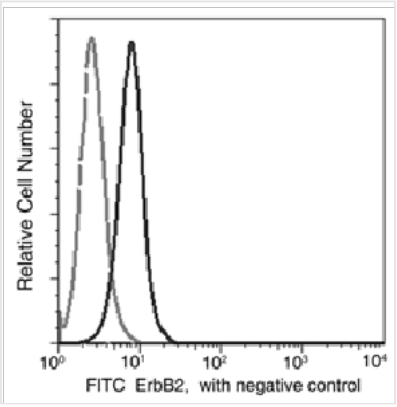
PRODUCT SYNONYMS

Her2/ERBB2; Monoclonal Antibody; Recombinant Anti-Her2/ERBB2 Antibody (FITC); Rabbit Monoclonal; HER2/ErbB2/CD340 Antibody (FITC); Rabbit MAb; erb-b2 receptor tyrosine kinase 2; Anti-CD340 Antibody; Anti-ENV Antibody; Anti-ENVW Antibody; Anti-ERVWE1 Antibody; Anti-HER-2 Antibody; Anti-HER-2/neu Antibody; Anti-HER2 Antibody; Anti-HERV-7q Antibody; Anti-HERV-W-ENV Antibody; Anti-HERV7Q Antibody; Anti-HERVW Antibody; Anti-HERVWENV Antibody; Anti-MLN 19 Antibody; Anti-MLN19 Antibody; Anti-NEU Antibody; Anti-NGL Antibody; Anti-TKR1 Antibody; anti-ERBB2 antibody

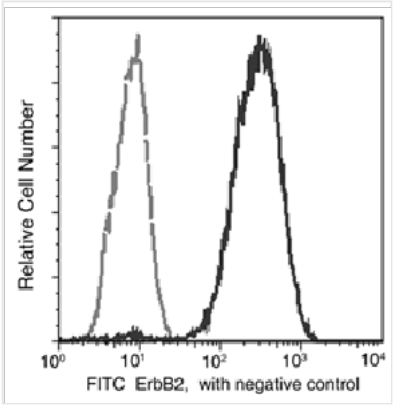
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	511
Specificity	Human ErbB2/HER2/CD340
Purity/Purification	Protein A
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	10ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-ERBB2 antibody	FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human ErbB2 protein
Conjugation	FITC
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human ErbB2/HER2 extracellular domain (rh ErbB2) and conjugated with FITC under optimum conditions, the unreacted FITC was removed .
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of anti-ErbB2 on HeLa cells. HeLa cells were detached using 1X trypsin, washed, then stained with FITC Rabbit anti-Human ErbB2.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of anti-ErbB2 on SK-BR3 cells. SK-BR3 cells were detached using 1X trypsin, washed, then stained with FITC Rabbit anti-Human ErbB2.

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB2 antibody	Human epidermal growth factor receptor 2 (HER2), also known as ErbB2, NEU, and CD340, is a type I membrane glycoprotein and belongs to the epidermal growth factor (EGF) receptor family. HER2 protein cannot bind growth factors due to the lacking of ligand binding domain of its own and autoinhibited constitutively. However, HER2 forms a heterodimer with other ligand-bound EGF receptor family members, therefore stabilizes ligand binding and enhances kinase-mediated activation of downstream molecules. HER2 plays a key role in development, cell proliferation and differentiation. HER2 gene has been reported to associate with malignancy and a poor prognosis in numerous carcinomas, including breast, prostate, ovarian, lung cancers and so on.
Product Categories/Family for anti-ERBB2 antibody	Cancer Drug Targets Receptor Tyrosine Kinases (RTKs)
References	Krawczyk N, et al. (2009) HER2 status on persistent disseminated tumor cells after adjuvant therapy may differ from initial HER2 status on primary tumor. Anticancer Res. 29(10): 4019-24.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792096
NCBI GeneID	2064
NCBI Accession #	NP_004439.2
NCBI GenBank Nucleotide #	NM_004448.3
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5
Molecular Weight	97,253 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform a
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 2
NCBI Official Symbol	ERBB2
NCBI Official Synonym Symbols	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; human epidermal growth factor receptor 2; neuro/glioblastoma derived oncogene homolog;
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	**ERBB2**

UniProt Synonym Gene Names	HER2; MLN19; NEU; NGL; MLN 19
UniProt Entry Name	ERBB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/her2-erbb2-antibody-clone-511-flow-cytometry-elisa/254128