

Mouse anti-Human HER3/ERBB3 Monoclonal Antibody | anti-HER3/ERBB3 antibody

Anti-HER3/ERBB3 Antibody, Mouse Monoclonal

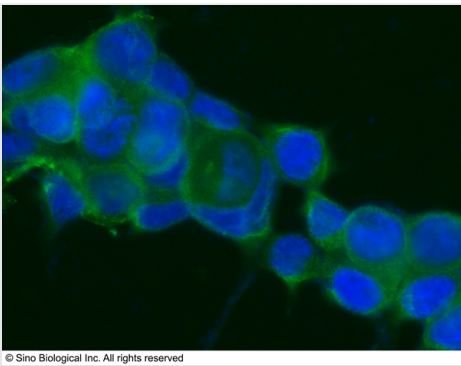
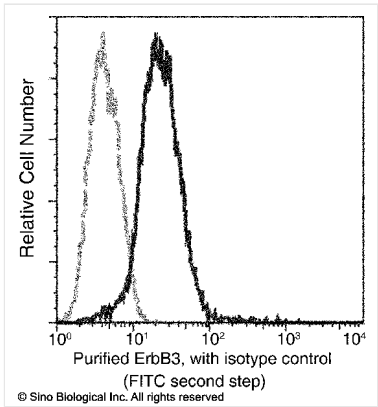
CATALOG # AAA258776	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

HER3/ERBB3; Monoclonal Antibody; Anti-HER3/ERBB3 Antibody; Mouse Monoclonal; erb-b2 receptor tyrosine kinase 3; Anti-c-erbB-3 Antibody; Anti-c-erbB3 Antibody; Anti-EEBB3 Antibody; Anti-ErbB-3 Antibody; Anti-erbB3-S Antibody; Anti-HER3 Antibody; Anti-LCCS2 Antibody; Anti-MDA-BF-1 Antibody; Anti-p180-ErbB3 Antibody; Anti-p45-sErbB3 Antibody; Anti-p85-sErbB3 Antibody; anti-HER3/ERBB3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	#03
Specificity	Human HER3/ERBB3No cross-reactivity in ELISA withHuman ErbB1/EGFRHuman ErbB2Human ErbB4Human CA12
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HER3/ERBB3 antibody	ELISA
Immunogen	Recombinant Human HER3/ErbB3 protein
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human HER3/ErbB3 (rh HER3/ErbB3). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of Human ErbB3 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human ErbB3 monoclonal antibody (1:60) at 37° 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cell membrane.

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of human ErbB3 expression on MCF-7 cells. Cells were stained with purified anti-Human ErbB3, then a FITC-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Related Product Information for anti-HER3/ERBB3 antibody	ErbB3, also known as Her3(human epidermal growth factor receptor3), is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound glycoprotein has a neuregulin binding domain but has not an active kinase domain., and therefore can not mediate the intracellular signal transduction through protein phosphorylation. However, its heterodimer with ErbB2 or other EGFR members responsible for tyrosine phosphorylation forms a receptor complex with high affinity, and initiates the related pathway which lead to cell proliferation or differentiation. ErbB3 has been shown to implicated in numerous cancers, including prostate, bladder, and breast tumors. This protein has different isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form.
References	Kraus M.H., et al.,(1989), Isolation and characterization of ERBB3, a third member of the ERBB/epidermal growth factor receptor family: evidence for overexpression in a subset of human mammary tumors. Proc. Natl. Acad. Sci. U.S.A. 86:9193-9197. Plowman G.D., et al., (1990), Molecular cloning and expression of an additional epidermal growth factor receptor-related gene.Proc. Natl. Acad. Sci. U.S.A. 87:4905-4909. Kato M., et al.,(1993), c-erbB3 gene encodes secreted as well as transmembrane receptor tyrosine kinase.Biochem. Biophys. Res. Commun. 192:1189-1197.

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.