

HER2 receptor Mouse Monoclonal Antibody FITC Conjugated(1A4)

Catalog No: #C08424F

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Description

Product Name	HER2 receptor Mouse Monoclonal Antibody FITC Conjugated(1A4)
Host Species	Mouse
Clonality	Monoclonal
Clone No.	1A4
Isotype	IgG
Purification	Purified by Protein G.
Applications	IF
Species Reactivity	Hu
Immunogen Description	KLH conjugated synthetic peptide aa 155-205 1255 derived from human HER2 receptor
Conjugates	FITC
Target Name	HER2 receptor
Other Names	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2 neu; Receptor tyrosine-protein kinase erbB-2; Metastatic lymph node gene 19 protein; Proto-oncogene Neu; Proto-oncogene c-ErbB-2; Tyrosine kinase-type cell surface receptor HER2; p185erbB2; ERBB2; MLN19
Accession No.	Swiss-Prot#P04626NCBI Gene ID2064
Uniprot	P04626
GeneID	2064;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization. In the nucleus is involved in transcriptional regulation. Associates with the 5'-TCAAATTC-3' sequence in the PTGS2 COX-2 promoter and activates its transcription. Implicated in transcriptional activation of CDKN1A; the function involves STAT3 and SRC. Involved in the transcription of rRNA genes by RNA Pol I and enhances protein synthesis and cell growth.

Note: This product is for in vitro research use only