

# EGFR Mouse mAb

Cat No: HR1AM2245

For research use only

## Overview

Product Name	EGFR Mouse mAb
Source	Mouse
Applications	WB, IHC, IF, IP
Species Reactivity	Human
Recommended Dilutions	WB 1:1,000-3,000 IP 1:200 IF 1:100-200
Immunogen	
Species	Mouse
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	170kDa
GeneID?Human?	1956
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Epidermal Growth Factor Receptor ;ErbB-1; ErbB1; ER1; ERB-B1; MENA; HER1; Erythroblastic Leukemia Viral(v-Erb-B)oncogene Homolog,Avian; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1
Background	The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Known ligands include EGF, TGFA/TGF-alpha, amphiregulin, epigen/EPGN, BTC/betacellulin, epiregulin/EREG and HBEGF/heparin-binding EGF. Ligand binding triggers receptor homo- and/or heterodimerization and autophosphorylation on key cytoplasmic residues. The phosphorylated receptor recruits adapter proteins like GRB2 which in turn activates complex downstream signaling cascades.