



# Mouse anti- Human Epidermal growth factor receptor monoclonal antibody

<b>Product Code</b>	CSB-MA102771A0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Immunogen</b>	Recombinant Human Epidermal growth factor receptor
<b>Raised In</b>	mouse
<b>Species Reactivity</b>	Human,Other species are not tested.Please decide the specificity by homology
<b>Specificity</b>	specific for human Epidermal growth factor receptor denatured forms
<b>Tested Applications</b>	ELISA, WB, and other possible application
<b>Relevance</b>	Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. 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. Activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STATs modules. May also activate the NF-kappa-B signaling cascade. Also directly phosphorylates other proteins like RGS16, activating its GTPase activity and probably coupling the EGF receptor signaling to the G protein-coupled receptor signaling. Also phosphorylates MUC1 and increases its interaction with SRC and CTNNB1/beta-catenin.
<b>Form</b>	liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	Caprylic Acid Ammonium Sulfate Precipitation purified
<b>Isotype</b>	IgG1
<b>Clonality</b>	monoclonal
<b>Alias</b>	Proto-oncogene c-ErbB-1,Receptor tyrosine-protein kinase erbB-1
<b>Product Type</b>	Monoclonal Antibody