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Product Information

Recombinant Anti-Human EGFR Antibody

Cat. No.: **MOM-18003**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Chimeric (mouse/human) Antibody is directed against Human EGFR, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Receptor for EGF, but also for other members of the EGF family, as TGF-alpha, amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation. Phosphorylates MUC1 in breast cancer cells and increases the interaction of MUC1 with SRC and CTNNB1/beta-catenin. Isoform 2 may act as an antagonist of EGF action.

Specific Activity

Tested positive against native antigen.

Target

EGFR

Immunogen

CHO cells transfected with a plasmid bearing a truncated form of EGFR cDNA.

Source

Chimeric (mouse/human)

Species Reactivity

Human

Type

Chimeric (mouse/human) IgG1 - kappa

Expression Host

CHO

Predicted N terminal

H chain: QVQLKQS; L Chain: DILLTQS

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

Suitable for use in ELISA, FC, IP, FuncS, IF, Neut, WB and most other immunological methods.

Storage

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

ANTIGEN GENE INFOMATION

Gene Name

EGFR epidermal growth factor receptor [Homo sapiens]

Official Symbol

EGFR

Synonyms

EGFR; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) , ERBB; ERBB1; erythroblastic leukemia viral (v erb b) oncogene homolog (avian); proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; ERBB; HER1; mENA; PIG61;

Gene ID

1956

mRNA Refseq

NM_005228

Protein Refseq

NP_005219

MIM

131550

UniProt ID

P00533

Chromosome Location

7p12

Pathway

Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bladder cancer, organism-specific biosystem;

Function

ATP binding; MAPK/ERK kinase kinase activity; actin filament binding; double-stranded DNA binding; enzyme binding; epidermal growth factor-activated receptor activity; epidermal growth factor-activated receptor activity; identical protein binding; contributes_to nitric-oxide synthase regulator activity; nucleotide binding; protein binding; protein heterodimerization activity; protein phosphatase binding; protein tyrosine kinase activity; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; signal transducer activity; transmembrane receptor protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane signaling receptor activity;

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