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Product Information

Recombinant Anti-Human EGFR Antibody Fab Fragment

Cat. No.: **MOM-H35-F(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Chimeric (human/mouse) Antibody Fab Fragment specifically binds to Human EGFR, expressed in E. coli

Antigen Description

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

Specific Activity

EGFR (epidermal growth factor receptor, receptor tyrosine-protein kinase erbB-1, ERBB1, HER1, HER-1, ERBB) [Homo sapiens]

Target

EGFR

Source

Chimeric (human/mouse)

Species Reactivity

Human

Type

Chimeric (human/mouse) Fab-IgG1 - kappa

Expression Host

E. coli

Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Purification

Purified by Nickel ion affinity chromatography

Applications

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

Cellular Localization

kappa

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

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; contrib

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