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- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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EGFR monoclonal antibody (M02), clone 4H2

Catalog # : H00001956-M02

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant EGFR.

Immunogen: EGFR (NP_005219, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence: EEKVCQGTSNKLTQLGTFEDHFLSLQRMFNCEVVLGNLEITYVQRNY
DLSFLKTIQEVAGYVLIALNTVERIPLNQLIIRGNMYYENSYALAVLSNY

Host: Mouse

Reactivity: Human

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

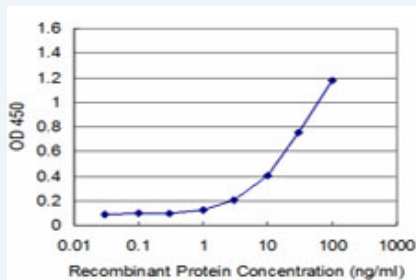
Datasheet:  [Download](#)

Publication Reference

1. [On-substrate fabrication of a bio-conjugated Au nanoring solution for photothermal therapy application.](#)
Tseng HY, Chen WF, Chu CK, Chang WY, Kuo Y, Kiang YW, Yang CC. Nanotechnology. 2013 Jan 22;24(6):065102. [Epub ahead of print]

Applications

Sandwich ELISA (Recombinant protein)



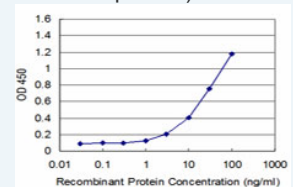
Detection limit for recombinant GST tagged EGFR is approximately 1ng/ml as a capture antibody.


 [Protocol Download](#)

ELISA

Application Image

Sandwich ELISA (Recombinant protein)



 [enlarge](#)

ELISA

Gene Information

Entrez GeneID: [1956](#)

GeneBank [NM_005228](#)

Accession#:

Protein [NP_005219](#)

Accession#:

Gene Name: EGFR

Gene Alias: ERBB,ERBB1,HER1,PIG61,mENA

Gene Description: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)

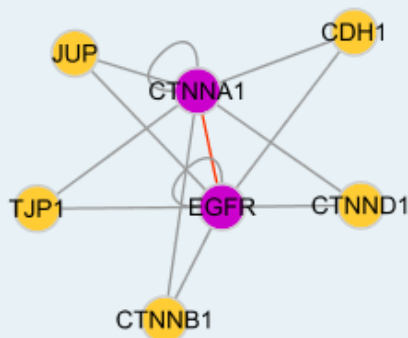
Omim ID: [131550](#), [211980](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. [provided by RefSeq]

Other Designations: avian erythroblastic leukemia viral (v-erb-b) oncogene homolog, cell growth inhibiting protein 40, cell proliferation-inducing protein 61, epidermal growth factor receptor

Interactome



Gene Pathway

[Adherens junction](#) [Bladder cancer](#) [Calcium signaling pathway](#) [Colorectal cancer](#) [Cytokine-cytokine receptor interaction](#) [Dorso-ventral axis formation](#) [Endocytosis](#) [Endometrial cancer](#) [Epithelial cell signaling in Helicobacter pylori infection](#) [ErbB signaling pathway](#) [Focal adhesion](#) [Gap junction](#) [Glioma](#) [GnRH signaling pathway](#) [MAPK signaling pathway](#) [Melanoma](#) [Non-small cell lung cancer](#) [Pancreatic cancer](#) [Pathways in cancer](#) [Prostate cancer](#) [Regulation of actin cytoskeleton](#)

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[Barrett Esophagus](#) [Bile Duct Neoplasms](#) [Biliary Tract Neoplasms](#) [Bipolar Disorder](#)
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