

Mouse EGFR ELISA Kit | EGFR elisa kit

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CATALOG #
AAA263114

REACTIVITY
Mouse

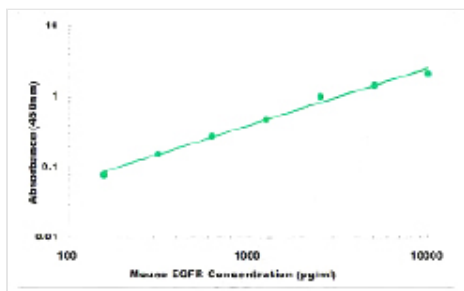
PRODUCT SYNONYMS

EGFR; Mouse EGFR ELISA Kit; ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1; EGFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse EGFR ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse EGFR proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	1210
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EGFR elisa kit	Principle of the Assay: The Mouse EGFR ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse EGFR in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse EGFR coated on a 96-well plate. Standards and samples are pipetted into the wells and EGFR present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse EGFR antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of EGFR bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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. It is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). EGFR exists on the cell surface and is activated by binding of its specific ligands, including epidermal growth factor and transforming growth factor alpha (TGFalpha). EGFR and its ligands are cell signaling molecules involved in diverse cellular functions, including cell proliferation, differentiation, motility, and survival, and in tissue development. Mutations that lead to EGFR overexpression (known as upregulation) or overactivity have been associated with a number of cancers, including lung cancer and glioblastoma multiforme. In this latter case a more or less specific mutation of EGFR, called EGFRVIII is often observed.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46560582
NCBI GeneID	13649
NCBI Accession #	NP_997538.1
NCBI GenBank Nucleotide #	NM_207655.2
UniProt Accession #	Q01279
Molecular Weight	134,853 Da
NCBI Official Full Name	epidermal growth factor receptor isoform 1
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	Egfr
NCBI Official Synonym Symbols	Wa5; wa2; Erbb; Errp; wa-2; Errb1; AI552599; 9030024J15Rik
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	Egfr
UniProt Entry Name	EGFR_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.