

Human EGFR ELISA Kit | EGFR elisa kit

Human EGFR PicoKine ELISA Kit

CATALOG #
AAA45324

REACTIVITY
Human

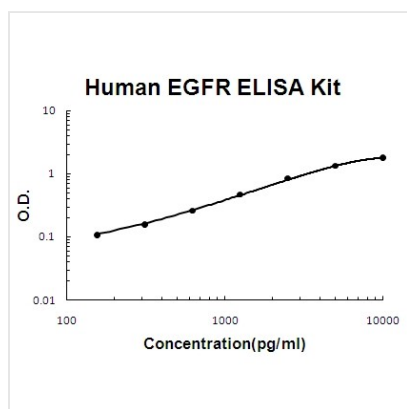
PRODUCT SYNONYMS

EGFR; Human EGFR PicoKine ELISA Kit; Epidermal growth factor receptor; epidermal growth factor receptor; Avian erythroblastic leukemia viral (v erb b) oncogene homolog; Cell growth inhibiting protein 40; Cell proliferation inducing protein 61; EGFR_HUMAN; ERBB; ERBB1; HER1; mENA; Oncogene ERBB; PIG61; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase ErbB-1; V-ERB-B avian erythroblastic leukemia viral oncogene homolog; EGFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human EGFR
Sequence Length	1210
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and human milk
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human EGFR PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for EGFR elisa kit	Principle of the assay: human EGFR ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for EGFR has been precoated onto 96-well plates. Standards(NSO,M1-S645) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for EGFR is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human EGFR amount of sample captured in plate. 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.¹ It is a member of the ErbBfamily 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.² Mutations that lead to EGFR overexpression (known as upregulation) oroveractivity 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.³
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2811086
NCBI GeneID	1956
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	69,228 Da
NCBI Official Full Name	Epidermal growth factor receptor
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61
NCBI Protein Information	epidermal growth factor receptor; 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
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	EGFR
UniProt Synonym Gene Names	ERBB; ERBB1; HER1
UniProt Entry Name	EGFR_HUMAN

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.

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