

Mouse EGF ELISA Kit | EGF elisa kit

Mouse EGF PicoKine Quick ELISA Kit

CATALOG # AAA126783	REACTIVITY Mouse	APPLICATIONS ELISA
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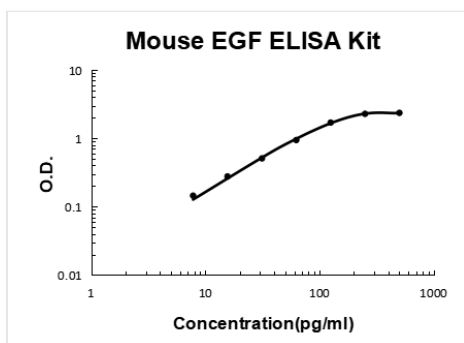
PRODUCT SYNONYMS

EGF; Mouse EGF PicoKine Quick ELISA Kit; EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Egf
Assay Type	Sandwich
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA) and urine
Detection Range	7.8 pg/ml - 500 pg/ml
Sensitivity	<1 pg/ml
Applicable Applications for EGF elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human EGFR PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for EGF elisa kit	Background: Epidermal growth factor or EGF is a growth factor that plays an important role in the regulation of cell growth, proliferation, and differentiation by binding to its receptor EGFR. EGF acts by binding with high affinity to epidermal growth factor receptor(EGFR) on the cell surface and stimulating the intrinsic protein-tyrosine kinase activity of the receptor. EGF results in cellular proliferation, differentiation, and survival. It also has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. EGF has strong expression in kidney, salivary gland, cerebrum, and prostate, moderate expression in trachea and thyroid, and low expression in bone marrow, heart, spleen, thymus, uterus, and colon. No expression was detected in adrenal gland, liver, lung, cerebellum, placenta, and small intestine. Principle of the Assay: The Quick Picokine™ Mouse Egf Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Egf in cell culture supernatants, serum, plasma (heparin, EDTA) and urine. It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Egf protein as standards. To measure Mouse Egf, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Egf in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Egf in the sample.
Product Categories/Family for EGF elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	170172524
NCBI GeneID	13645
NCBI Accession #	NP_034243.2
NCBI GenBank Nucleotide #	NM_010113.4
UniProt Accession #	P01132; Q569W5; Q6P9J2; E9QNX6
Molecular Weight	133,072 Da
NCBI Official Full Name	pro-epidermal growth factor isoform 1
NCBI Official Synonym Full Names	epidermal growth factor
NCBI Official Symbol	Egf
NCBI Official Synonym Symbols	AI790464
NCBI Protein Information	pro-epidermal growth factor
UniProt Protein Name	Pro-epidermal growth factor
UniProt Gene Name	Egf
UniProt Synonym Gene Names	EGF
UniProt Entry Name	EGF_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.