

Rat EGF ELISA Kit | EGF elisa kit

Rat EGF PicoKine ELISA Kit

CATALOG #
AAA45899

REACTIVITY
Rat

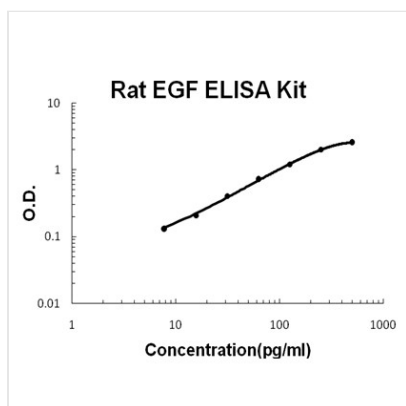
PRODUCT SYNONYMS

EGF; Rat EGF PicoKine ELISA Kit; Pro-epidermal growth factor; epidermal growth factor; Beta urogastrone; Epidermal growth factor; HOMG4; OTTHUMP00000219721; OTTHUMP00000219722; Pro epidermal growth factor; URG; Urogastrone; EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat EGF
Sequence Length	1133
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), tissue homogenates and urine
Assay Type	Sandwich
Detection Range	7.8pg/ml-500pg/ml
Sensitivity	< 1pg/ml
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 between 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat EGF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for EGF elisa kit	Principle of the assay: Rat EGF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for EGF has been precoated onto 96-well plates. Standards(E.coli, N974-R1026) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for EGF 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 rat EGF amount of sample captured in plate. Background: Epidermal growth factor (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 locus is mapped to 4q21-4qter. Human EGF is a 6045-Da protein with 53 amino acid residues and three intramolecular disulfide bonds. EGF results in cellular proliferation, differentiation, and survival while plays a physiological role in the maintenance of oro-esophageal and gastric tissue integrity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1352360
NCBI GeneID	25313
UniProt Accession #	P07522; Q63183
Molecular Weight	124,126 Da
NCBI Official Full Name	Pro-epidermal growth factor
NCBI Official Synonym Full Names	epidermal growth factor
NCBI Official Symbol	Egf
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_RAT

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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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/egf/45899>