

Rat Epidermal Growth Factor (EGF) CLIA Kit | EGF clia kit

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CATALOG # AAA188946	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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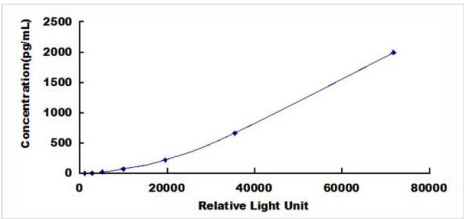
PRODUCT SYNONYMS

Epidermal Growth Factor (EGF); Rat Epidermal Growth Factor (EGF) CLIA Kit; Epidermal Growth Factor; URG; Beta-Urogastrone; Pro-epidermal growth factor; EGF clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Epidermal Growth Factor (EGF). No significant cross-reactivity or interference between Epidermal Growth Factor (EGF) and analogues was observed.
Sequence Length	1133
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	2.74-2,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.94pg/mL
Applicable Applications for EGF clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Epidermal Growth Factor (EGF) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Epidermal Growth Factor (EGF) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Epidermal Growth Factor (EGF). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Epidermal Growth Factor (EGF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Epidermal Growth Factor (EGF) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978797
NCBI GeneID	25313
NCBI Accession #	NP_036974.1
NCBI GenBank Nucleotide #	NP_036974.1
UniProt Accession #	P07522
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://stage.aaabiotech.com/rat-clia-kits/epidermal-growth-factor-egf/188946>