

Rat Epidermal Growth Factor ELISA Kit | EGF elisa kit

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CATALOG #
AAA101331

REACTIVITY
Rat

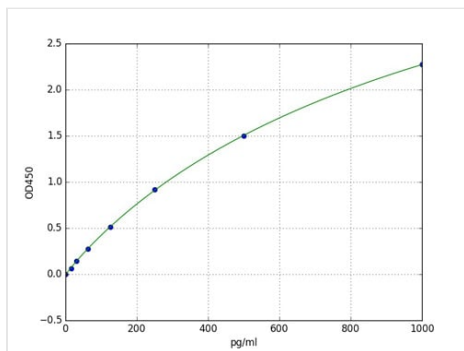
PRODUCT SYNONYMS

Epidermal Growth Factor; Rat Epidermal Growth Factor ELISA Kit; EGF/URG/HOMG4/Beta-Urogastrone (Epidermal growth factor); EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	53
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.906-250pg/ml
Sensitivity	2.344pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat EGF ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.080	0.107	0.122	0.218	0.382	0.771	1.595	2.587

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EGF elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat EGF antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat EGF antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat EGF can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

374922206

NCBI GeneID	1950
Molecular Weight	129,746 Da
NCBI Official Full Name	epidermal growth factor, partial
NCBI Official Synonym Full Names	epidermal growth factor
NCBI Official Symbol	EGF
NCBI Official Synonym Symbols	URG; HOMG4
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_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/egf-rat-elisa-kits/epidermal-growth-factor/101331>