

Human EGF ELISA Kit | EGF elisa kit

EGF Human ELISA Kit

CATALOG # AAA58928	REACTIVITY Human	APPLICATIONS ELISA
------------------------------	----------------------------	------------------------------

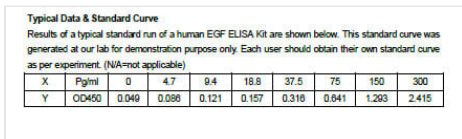
PRODUCT SYNONYMS

EGF; EGF Human ELISA Kit; Human EGF; EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Human serum, body fluids, tissue lysates or cell culture supernates.
Assay Type	Sandwich
Detection Range	4.7 pg/ml-300 pg/ml
Sensitivity	< 1 pg/ml
Applicable Applications for EGF elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



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-EGF polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-EGF polyclonal 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. Avidin-Biotin-Peroxidase Complex 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 EGF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of EGF can be calculated.

Background/Introduction: Epidermal growth factor (EGF) is a growth factor that stimulates cell growth, proliferation, and differentiation by binding to its receptor EGFR. It 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 is produced in abundance by the mouse submandibular gland, and it can be found in human platelets, macrophages, urine, saliva, milk, and plasma. It is a magnesiotropic hormone crucial for total body Mg(2+) balance. Futamura et al. (2002) found that chronic treatment of rats with haloperidol had no influence on EGF levels in the brain or serum.

NCBI AND UNIPROT INFORMATION

NCBI GI #	688072
-----------	--------

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/human-elisa-kits/egf/58928>