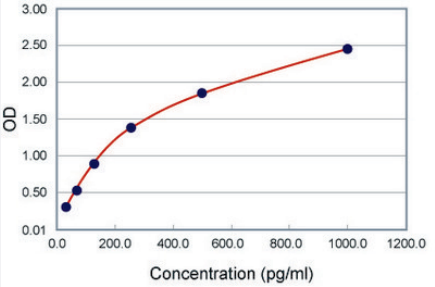
# EGF (Human) ELISA Kit

Catalog # KA0514 Size 1 Kit

## Applications




The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

| | |
|---|---|
| **Product Description** | EGF (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human EGF. |
| **Suitable Sample** | Cell Culture Supernatant, Plasma, Serum, Urine |
| **Sample Volume** | 100 uL |
| **Label** | HRP-conjugate |
| **Detection Method** | Colorimetric |
| **Assay Type** | Quantitative |
| **Calibration Range** | 20 to 1000 pg/mL |
| **Limit of Detection** | 20 pg/mL |
| **Reactivity** | Human |
| **Regulation Status** | For research use only (RUO) |
| **Storage Instruction** | Store the kit at 4°C. |

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## Applications

- Quantification

## Gene Info — EGF

| | |
|---|---|
| **Entrez GeneID** | 1950 |
| **Gene Name** | EGF |
| **Gene Alias** | HOMG4, URG |
| **Gene Description** | epidermal growth factor (beta-urogastrone) |
| **Omim ID** | 131530 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Epidermal growth factor 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. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cl eaved to generate the 53-amino acid peptide hormone that stimulates cells to divide. [provided b y RefSeq |
| **Other Designations** | urogastrone |

## Publication Reference


- The type 1 (EGFR-related) family of growth factor receptors and their ligands.

  Prigent SA, Lemoine NR.

  Progress in Growth Factor Research 1992 Jan; 4(1):1.

  Application: Quant, Human, Human cancer

- Effects of the extract of the mouse submaxillary salivary glands on the sympathetic system of mammals.

  LEVI-MONTALCINI R, COHEN S.

  Annals of the New York Academy of Sciences 1960 Mar; 85:324.


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- PURIFICATION OF A NERVE-GROWTH PROMOTING PROTEIN FROM THE MOUSE SALIVARY GLAND AND ITS NEURO-CYTOTOXIC ANTISERUM.

  Cohen S.

  PNAS 1960 Mar; 46(3):302.

## Pathway

- Bladder cancer
- Cytokine-cytokine receptor interaction
- Endocytosis
- Endometrial cancer
- ErbB signaling pathway
- Focal adhesion
- Gap junction
- Glioma
- MAPK signaling pathway
- Melanoma
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton

## Disease

- Abortion
- Adenocarcinoma
- Alcoholism

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- Arthritis
- Autistic Disorder
- Barrett Esophagus
- Birth Weight
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Colorectal Neoplasms
- Depressive Disorder
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Esophageal Neoplasms
- Fetal Growth Retardation
- Gallbladder Neoplasms
- Gastroesophageal Reflux
- Genetic Diseases
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma

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- Hepatitis B
- Hepatitis C
- HIV Infections
- Hyperparathyroidism
- Hypertension
- Kidney Failure
- Kidney Neoplasms
- Liver Cirrhosis
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lymphatic Metastasis
- Malignant melanoma
- Melanoma
- Meningioma
- Mental Disorders
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Nervous System Neoplasms
- Neurilemmoma
- Nevus
- Ovarian cancer

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- Ovarian Neoplasms
- Periodontitis
- Personality Tests
- Precancerous Conditions
- Pre-Eclampsia
- Prostate cancer
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Reaction Time
- Rectal Neoplasms
- Respiratory Distress Syndrome
- Schizophrenia
- Schizophrenic Psychology
- Skin Neoplasms
- Startle Reaction
- Stomach Neoplasms
- Stress
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Werner syndrome

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