

## Datasheet for ABIN6719788 EGFR ELISA Kit



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### 1 Image

#### Overview

Quantity:	1 kit
Target:	EGFR
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Breast Milk, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Avian erythroblastic leukemia viral (v erb b) oncogene homolog, Avian erythroblastic leukemia viral (verbb) oncogene homolog, Cell growth inhibiting protein 40, Cell proliferation inducing protein 61, EGF R, EGFR, EGFR_HUMAN, Epidermal growth factor receptor, Epidermal growth factor receptor, erbb 1, Erbb1, HER1, mENA, Oncogene ERBB, , PIG61, Proto-oncogene c-ErbB-1, Receptor tyrosine protein kinase ErbB 1, Receptor tyrosine protein kinase ErbB1, Receptor tyrosine-protein kinase ErbB-1, RP23-295E4.1, Urogastrone</p> <p>Background: The epidermal growth factor receptor(EGFR, ErbB-1, HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family(EGF-family) of</p>

## Product Details

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extracellular protein ligands. It is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR(ErbB-1), HER2/c-neu(ErbB-2), Her 3(ErbB-3) and Her 4(ErbB-4). EGFR exists on the cell surface and is activated by binding of its specific ligands, including epidermal growth factor and transforming growth factor alpha(TGFalpha). EGFR and its ligands are cell signaling molecules involved in diverse cellular functions, including cell proliferation, differentiation, motility, and survival, and in tissue development. Mutations that lead to EGFR overexpression(known as upregulation) or overactivity have been associated with a number of cancers, including lung cancer and glioblastoma multiforme. In this latter case a more or less specific mutation of EGFR, called EGFRvIII is often observed.

Gene Name: EGFR

Production: Natural and recombinant human EGFR. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: M1-S645

## Target Details

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Target:	EGFR
Alternative Name:	EGFR ( <a href="#">EGFR Products</a> )
Gene ID:	1956
NCBI Accession:	<a href="#">NP_005219</a>
UniProt:	<a href="#">P00533</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Hepatitis C</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">EGFR Downregulation</a> , <a href="#">S100 Proteins</a>

## Application Details

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Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL human EGFR standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma( heparin, EDTA) or human milk to each empty well. It is recommended that each human EGFR standard solution and each sample be measured in duplicate.

## Application Details

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

Other Performance Data: Expiration Dates: 4° C - 01/12/18 -20° C - 07/13/18

Sample Volume: 100 µL

Plate: Pre-coated

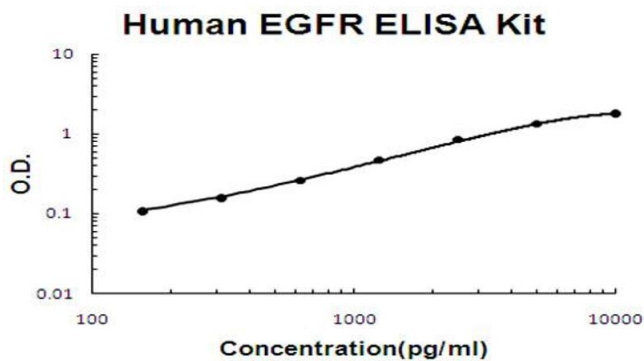
Restrictions: For Research Use only

## Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

## Images



### ELISA

**Image 1.** Human EGFR Accusignal ELISA Kit Human EGFR AccuSignal ELISA standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <1pg/ml.