

Datasheet for ABIN5521805

EGF ELISA Kit[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	96 tests
Target:	EGF
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	3.906 pg/mL - 250 pg/mL
Minimum Detection Limit:	3.906 pg/mL
Application:	ELISA

Product Details

Purpose:	For quantitative detection of EGF in serum, plasma, tissue homogenates.
Sample Type:	Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of EGF. No significant cross-reactivity or interference between EGF and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the cross-reactivity detection between EGF and all the analogues, therefore, cross reaction may still exist.
Sensitivity:	2.344 pg/mL
Components:	<ul style="list-style-type: none">- ELISA Microplate- Lyophilized Standard- Sample / Standard Dilution Buffer

Product Details

- Biotin-labeled Antibody (Concentrated)
- Antibody Dilution Buffer
- HRP-Streptavidin Conjugate(SABC)
- SABC Dilution Buffer
- TMB Substrate
- Stop Solution
- Wash Buffer (25X)
- Plate Sealer
- Product Description

Target Details

Target:	EGF
Alternative Name:	EGF (EGF Products)
Background:	EGF(Epidermal growth factor)/URG/HOMG4/Beta-Urogastrone
UniProt:	P01133
Pathways:	NF-kappaB Signaling , RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Carbohydrate Metabolic Process , Hepatitis C , Protein targeting to Nucleus , Interaction of EGFR with phospholipase C-gamma , Thromboxane A2 Receptor Signaling , EGFR Downregulation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Sandwich ELISA, Double Antibody
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	1. For unopened kit: All the reagents should be kept according to the labels on vials. The Reference Standard and the 96-well stripe plate should be stored at -20 °C upon receipt while

Handling

the other reagents should be stored at 4 °C.

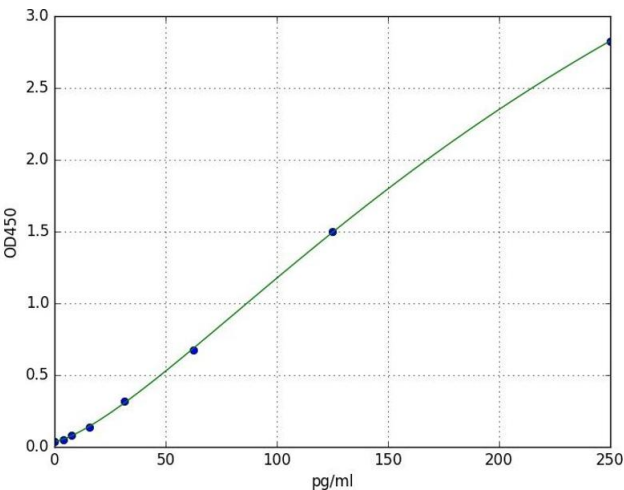
- 2. For used kit: When the kit is used, the remaining reagents need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and zip-seal the foil pouch.

Expiry Date: 6 months

Publications

Product cited in: De Iuliis, Marino, Caruso, Capodifoglio, Flati, Marynuk, Marricareda, Ursi, Lanuti, Talora, Conti, Martinotti, Toniato: "Autophagy processes are dependent on EGF receptor signaling." in: **Oncotarget**, Vol. 9, Issue 54, pp. 30289-30303, (2018) ([PubMed](#)).

Images



ELISA

Image 1. A typical standard curve