

Human EGFR/HER1/ErbB1 ELISA Kit | EGFR/HER1/ErbB1 elisa kit

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CATALOG #
AAA258318

REACTIVITY
Human

PRODUCT SYNONYMS

EGFR/HER1/ErbB1; Human EGFR/HER1/ErbB1 ELISA Kit; EGFR ELISA Kit; Human; epidermal growth factor receptor; ERBB ELISA Kit; ERBB1 ELISA Kit; HER1 ELISA Kit; mENA ELISA Kit; NISBD2 ELISA Kit; PIG61 ELISA Kit; EGFR/HER1/ErbB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human EGFR/HER1/ErbB1 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	43.75-2800pg/mL
Sensitivity	3.16pg/mL
Conjugation	HRP
Interference	Preparations of human EGF at 10ng/mL in a mid-range recombinant human EGFR control were assayed for interference. No significant interference was observed.
Materials Provided	96 well microplate coated with Capture Antibody - Detection Antibody conjugated to HRP - Standards - Wash Buffer Concentrate - Dilution Buffer Concentrate - Color Reagent A - Color Reagent B - Stop Solution

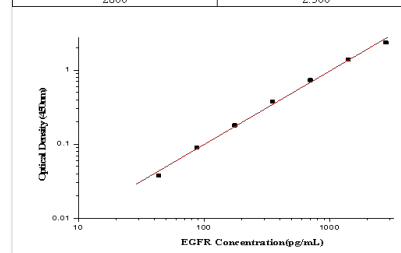
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
ErbB4	ErbB3	EGF	ErbB2
Recombinant mouse			
ErbB2			

Application Data

This assay recognizes both recombinant and natural Human EGFR. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
43.75	0.038
87.5	0.091
175	0.180
350	0.375
700	0.732
1400	1.398
2800	2.366



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for EGFR/HER1/ErbB1 elisa kit	Background: As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF-alpha, betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently.
References	Schlessinger, J. (2000) Cell signaling by receptor tyrosine kinases. Cell 103(2): 211-25. Giaccone, G. (2005) HER1/EGFR-targeted agents: predicting the future for patients with unpredictable outcomes to therapy. Ann. Oncol. 16(4): 538-48. Yarden, Y., et al. (2001) Untangling the ErbB signalling network. Nat. Rev. Mol. Cell. Biol. 2(2): 127-37.

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/egfr-her1-erbb1/258318>