

Porcine Total Epidermal Growth Factor ELISA Kit | EGF elisa kit

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CATALOG #
AAA89242

REACTIVITY
Porcine

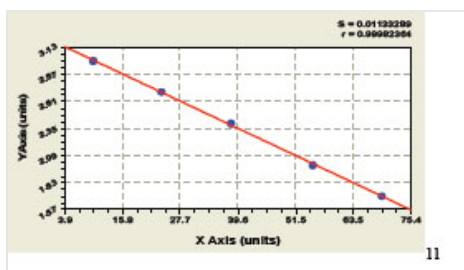
PRODUCT SYNONYMS

Total Epidermal Growth Factor; Porcine Total Epidermal Growth Factor ELISA Kit; EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This Total EGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Total EGF. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for EGF elisa kit

Principle of the assay: Total EGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Total EGF antibody and an Total EGF-HRP conjugate. The assay sample and buffer are incubated together with Total EGF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Total EGF concentration since Total EGF from samples and Total EGF-HRP conjugate compete for the anti-Total EGF antibody binding site. Since the number of sites is limited, as more sites are occupied by Total EGF from the sample, fewer sites are left to bind Total EGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Total EGF concentration in each sample is interpolated from this standard curve.

Product Categories/Family for EGF elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503705
NCBI GeneID	2252
NCBI Accession #	NP_002000.1
NCBI GenBank Nucleotide #	NM_002009.3
Molecular Weight	11,520 Da
NCBI Official Full Name	fibroblast growth factor 7
NCBI Official Synonym Full Names	fibroblast growth factor 7
NCBI Official Symbol	FGF7
NCBI Official Synonym Symbols	KGF; HBGF-7
NCBI Protein Information	fibroblast growth factor 7; FGF-7; keratinocyte growth factor; heparin-binding growth factor 7
UniProt Protein Name	Fibroblast growth factor 7
UniProt Gene Name	FGF7
UniProt Synonym Gene Names	KGF; FGF-7; HBGF-7
UniProt Entry Name	FGF7_HUMAN

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/egf-porcine-elisa-kits/total-epidermal-growth-factor/89242>