

Porcine Transforming Growth Factor beta1 ELISA Kit | TGFbeta1 elisa kit

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CATALOG #
AAA92249

REACTIVITY
Porcine

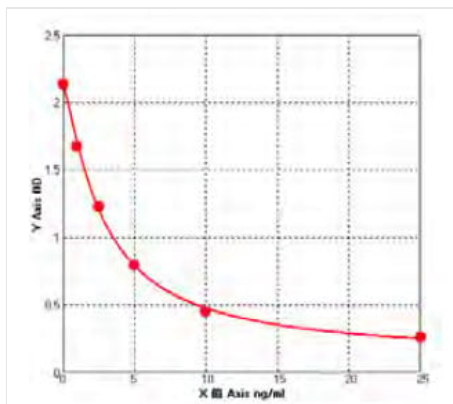
PRODUCT SYNONYMS

Transforming Growth Factor beta1; Porcine Transforming Growth Factor beta1 ELISA Kit; Porcine Transforming Growth Factor b1 ELISA Kit; TGFbeta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of TGF-beta1. No significant cross-reactivity or interference between TGF-beta1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TGF-beta1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFbeta1 elisa kit	Intended Uses: This TGF-beta1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine TGF-beta1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TGF-beta1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TGF-beta1 antibody and an TGF-beta1-HRP conjugate. The assay sample and buffer are incubated together with TGF-beta1-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 TGF-beta1 concentration since TGF-beta1 from samples and TGF-beta1-HRP conjugate compete for the anti-TGF-beta1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TGF-beta1 from the sample, fewer sites are left to bind TGF-beta1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGF-beta1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TGFbeta1 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.5
Molecular Weight	44,341 Da
NCBI Official Full Name	transforming growth factor beta-1
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1; TGF-beta-1; latency-associated peptide; prepro-transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP
UniProt Entry Name	TGFB1_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/tgfbeta1-porcine-elisa-kits/transforming-growth-factor-beta1/92249>