

Porcine Transforming Growth Factor Beta 3 (TGFb3) ELISA Kit | TGFb3 elisa kit

Pig Transforming Growth Factor Beta 3 (TGFb3) ELISA Kit

CATALOG #
AAA185288

REACTIVITY
Porcine

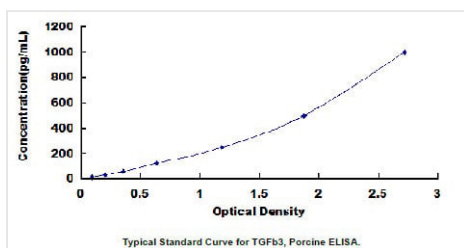
PRODUCT SYNONYMS

Transforming Growth Factor Beta 3 (TGFb3); Pig Transforming Growth Factor Beta 3 (TGFb3) ELISA Kit; TGF-B3; LAP; Latency-associated peptide; TGFb3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of TGFb3. No significant cross-reactivity or interference between TGFb3 and analogues was observed.
Sequence Length	309
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TGFb3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TGFb3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFb3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TGFb3 in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TGFb3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TGFb3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TGFb3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TGFb3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
References	Angiogenic gene characterization and vessel permeability of dermal microvascular endothelial cells isolated from burn hypertrophic scar; Sci Rep; 2022 Jul 18;12(1):12222.; PMID: 35851095; Esteban A Molina; Georgetown University School of Medicine, Washington, DC, USA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37683095
NCBI GeneID	7043
UniProt Accession #	P10600; Q8WV88
Molecular Weight	35,708 Da
NCBI Official Full Name	transforming growth factor beta 3, partial
NCBI Official Synonym Full Names	transforming growth factor beta 3
NCBI Official Symbol	TGFB3
NCBI Official Synonym Symbols	ARVD; LDS5; RNHF; ARVD1; TGF-beta3
NCBI Protein Information	transforming growth factor beta-3
UniProt Protein Name	Transforming growth factor beta-3
UniProt Gene Name	TGFB3
UniProt Synonym Gene Names	TGF-beta-3; LAP

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/porcine-elisa-kits/transforming-growth-factor-beta-3-tgfb3/185288>