

Bovine Transforming Growth Factor beta ELISA Kit | TGFbeta elisa kit

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CATALOG #
AAA16752

REACTIVITY
Bovine

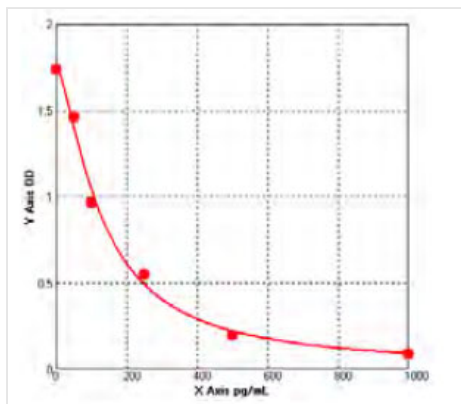
PRODUCT SYNONYMS

Transforming Growth Factor beta; Bovine Transforming Growth Factor beta ELISA Kit; Bovine Transforming Growth Factor b ELISA Kit; TGFbeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of TGF-beta. No significant cross-reactivity or interference between TGF-beta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TGF-beta 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	254596903
Molecular Weight	4,760 Da
NCBI Official Full Name	transforming growth factor beta, partial
UniProt Protein Name	Transforming growth factor beta
UniProt Gene Name	TGFB1
UniProt Entry Name	C7FFS5_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/tgfbeta-bovine-ovine-elisa-kits/transforming-growth-factor-beta/16752>