

Rat Transforming Growth Factor beta ELISA Kit | TGFbeta elisa kit

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CATALOG #
AAA87754

REACTIVITY
Rat

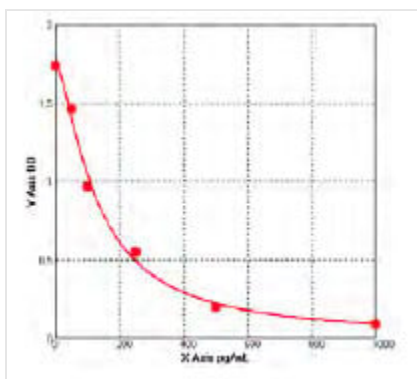
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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!

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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tgfbeta-rat-elisa-kits/transforming-growth-factor-beta/87754>