

Human Transforming Growth Factor beta ELISA Kit | TGFbeta elisa kit

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CATALOG #
AAA82922

REACTIVITY
Human

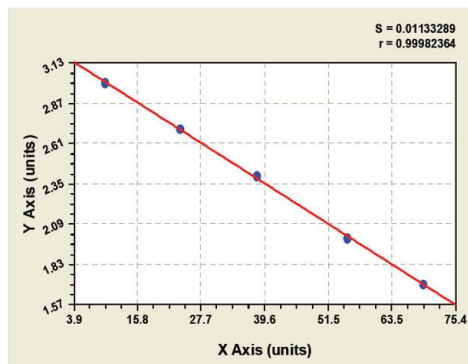
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TGFbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TGFbeta. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFbeta elisa kit

Principle of the assay: TGFbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TGFbeta antibody and an TGFbeta-HRP conjugate. The assay sample and buffer are incubated together with TGFbeta-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 TGFbeta concentration since TGFbeta from samples and TGFbeta-HRP conjugate compete for the anti-TGFbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by TGFbeta from the sample, fewer sites are left to bind TGFbeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGFbeta 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.

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Online datasheet: <https://stage.aaabiotech.com/tgfbeta-human-elisa-kits/transforming-growth-factor-beta/82922>