

Rat Transforming Growth Factor beta1 ELISA Kit | TGFbeta1 elisa kit

Rat Transforming Growth Factor beta1 ELISA Kit

CATALOG # AAA83523	REACTIVITY Rat
------------------------------	--------------------------

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

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 Rat TGF-beta1. This ELISA kit for research use only! Principle of the Assay TGF-beta1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/tgfbeta1-rat-elisa-kits/transforming-growth-factor-beta1/83523>