

Rat TGF-beta1 ELISA Kit | TGF-beta1 elisa kit

Rat TGF-beta1 ELISA Kit

CATALOG # AAA332587	REACTIVITY Rat	APPLICATIONS ELISA
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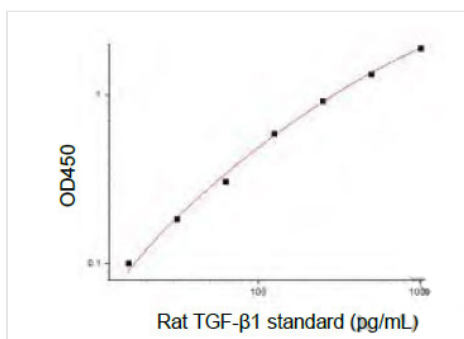
PRODUCT SYNONYMS

TGF-beta1; Rat TGF-beta1 ELISA Kit; TGFB1; CED; DPD1; LAP; TGFB; TGFbeta; TGF-beta 1 protein; latency-associated peptide; TGF-beta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat TGF-beta1 ELISA Kit has high sensitivity and excellent specificity for detection of Rat TGF-beta1. No significant cross-reactivity or interference between Rat TGF-beta1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	15.63 pg/mL-1,000 pg/mL
Sensitivity	8 pg/mL
Applicable Applications for TGF-beta1 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)? 10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGF-beta1 elisa kit	Principle of the Assay: Multi-functional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGF-beta1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation.Rat TGF-beta1 ELISA Kit employs a double antibody sandwich method to quantitate Rat TGF-beta1 in samples. An antibody specific for Rat TGF-beta1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Rat TGF-beta1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Rat TGF-beta1 is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450nm wavelength. The TGF-beta1 concentration is proportional to the OD450 nm value.
Product Categories/Family for TGF-beta1 elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	135677
NCBI GeneID	59086
UniProt Accession #	P17246; Q53YM8
Molecular Weight	44,329 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	Tgfb
NCBI Protein Information	transforming growth factor beta-1; TGF-beta-1; transforming growth factor, beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	Tgfb1
UniProt Synonym Gene Names	TGF-beta-1; LAP
UniProt Entry Name	TGFB1_RAT

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.