

Rabbit Transforming Growth Factor Beta-1 High-Sensitivity ELISA Kit | TGFB1 elisa kit

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CATALOG #
AAA266544

REACTIVITY
Rabbit

PRODUCT SYNONYMS

Transforming Growth Factor Beta-1 High-Sensitivity; Rabbit Transforming Growth Factor Beta-1 High-Sensitivity ELISA Kit; TGFB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Assay Type	sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Detection Target	Transforming Growth Factor Beta-1
Immunogen Sequence	300
Cross-Reactivity	There is cross-reactivity with TGF beta 2, TGF beta 3, TGF beta 5<1%.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

ADDITIONAL INFORMATION

Related Product Information for TGFB1 elisa kit

This Rabbit Transforming Growth Factor Beta-1 High-Sensitivity ELISA Kit is intended is a high-sensitivity sandwich ELISA kit for quantitative detection of activated rabbit TGF beta 1. 96wells/kit, with removable strips. Strip well format. Reagents for up to 96 tests.

This Rabbit TGF beta 1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TGF beta 1 has been precoated onto 96-well plates. Standards (CHO, A279-S390) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TGF beta 1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rabbit TGF beta 1 amount of sample captured in plate.

The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. Expression system for standard: Transforming growth factor-beta1 (TGF-beta1) is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. Many cells synthesize TGF-beta and essentially all of them have specific receptors for this peptide. TGF-beta regulates the actions of many other peptide growth factors and determines a positive or negative direction of their effects.TGFBeta1 is known for its potent and diverse biological effects, including immune regulation, and cell growth and differentiation.TGFBeta1 is also an important mediator of bone remodeling.TGFBeta1, a potent keratinocyte growth inhibitor, has been shown to be overexpressed in keratinocytes in certain inflammatory skin diseases and has been thought to counteract the effects of other growth factors at the site of inflammation.TGF-beta1, a multifunctional cytokine with fibrogenic properties, has been implicated in the pathogenesis of the vascular and target organ complications of hypertension. TGF-beta1 may also regulate blood pressure via stimulation of endothelin-1 and/or renin secretion. TGFBeta1 is secreted as a latent form, which consists of its mature form and a latency-associated peptide (beta1-LAP) in either the presence or the absence of additional latent TGF-beta1-binding protein. The standard product used in this kit is recombinant TGFBeta1 with the molecular mass of 25KDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.4
UniProt Accession #	P01137; Q9UCG4; A8K792
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; TGF-beta 1 protein; latency-associated peptide
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.

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Online datasheet: <https://www.aaabiotech.com/rabbit-elisa-kits/transforming-growth-factor-beta-1-high-sensitivity/266544>