

Rat transforming growth factor, beta 2 ELISA Kit | TGFB2 elisa kit

Rat Transforming Growth factor beta2, TGF-beta2 ELISA Kit

CATALOG #
AAA79967

REACTIVITY
Rat

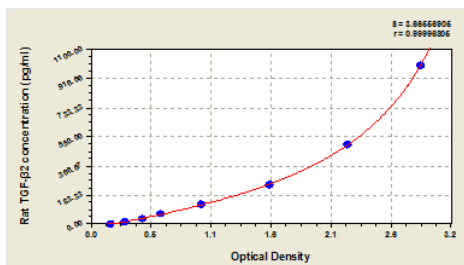
PRODUCT SYNONYMS

transforming growth factor; beta 2; Rat Transforming Growth factor beta2; TGF-beta2 ELISA Kit; TGF-beta2 ELISA kit; MGC116892; TGF-beta2; ; TGFB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat TGFB2. No significant cross-reactivity or interference between Rat TGFB2 and analogues was observed.
Sequence Length	442
Samples	Serum, plasma and tissue homogenates
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFB2 elisa kit	Introduction: Transforming growth factor beta (TGF-beta) is a protein that comes in three isoforms called TGF-beta1, TGF-beta2 and TGF-beta3; it was also the original name for the founding member of this family that is now called TGF-beta1. The TGF-beta family is part of a superfamily of proteins known as the transforming growth factor beta superfamily, which includes inhibins, activin, anti-müllerian hormone, bone morphogenetic protein, decapentaplegic and Vg-1. TGF beta controls proliferation, differentiation, and other functions in most cell types. It can also act as a negative autocrine growth factor. TGF-beta2 is a secreted protein known as a cytokine that performs many cellular functions and has a vital role during embryonic development (alternative names: Glioblastoma-derived T-cell suppressor factor, G-TSF, BSC-1 cell growth inhibitor, Polyergin, Cetermin). It is an extracellular glycosylated protein. It is known to suppress the effects of interleukin dependent T-cell tumors. There are two named isoforms of this protein, created by alternative splicing of the same gene. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TGF-beta2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for TGF-beta2 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain TGF-beta2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of TGF-beta2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13592109
NCBI GeneID	81809
NCBI Accession #	NP_112393.1
NCBI GenBank Nucleotide #	NM_031131.1
UniProt Accession #	Q07257; Q63574; Q9QW26; Q9R281; Q9R298; Q9R2B8; Q9WUQ8
Molecular Weight	50,534 Da
NCBI Official Full Name	transforming growth factor beta-2
NCBI Official Synonym Full Names	transforming growth factor, beta 2
NCBI Official Symbol	Tgfb2
NCBI Official Synonym Symbols	TGF-B2
NCBI Protein Information	transforming growth factor beta-2; TGF-beta-2; TGF beta 2 protein
UniProt Protein Name	Transforming growth factor beta-2
UniProt Gene Name	Tgfb2
UniProt Synonym Gene Names	TGF-beta-2; LAP
UniProt Entry Name	TGFB2_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.