

Datasheet for ABIN6720332  
**TGFB3 ELISA Kit**



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1 Image

## Overview

Quantity:	1 kit
Target:	TGFB3
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

## Product Details

Purpose:	Rat TGF beta 3 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA), Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant rat TGF-beta 3. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

Target:	TGFB3
Alternative Name:	TGF-beta 3 ( <a href="#">TGFB3 Products</a> )
Background:	<p>Synonyms: ARVD, ARVD1, FLJ16571, MGC105479, MGC118722, prepro-transforming growth factor beta-3, RNHF, TGF beta 3, TGF beta3, TGF-beta-3, TGFB 3, TGFB3, TGFB3_HUMAN, transforming growth factor beta 3, Transforming growth factor beta-3</p> <p>Background: Transforming growth factor beta 3(TGF-beta 3) is a type of protein, known as a cytokine, which is involved in cell differentiation, embryogenesis and development. It belongs to a large family of cytokines called the Transforming growth factor beta superfamily. TGF-beta 3 is believed to regulate molecules involved in cellular adhesion and extracellular matrix(ECM) formation during the process of palate development. Without TGF-beta 3, mammals develop a deformity known as acleft palate. This is caused by failure of epithelial cells in both sides of the developing palate to fuse. TGF-beta 3 also plays an essential role in controlling the development of lungs in mammals, by also regulating cell adhesion and ECM formation in this tissue, and controls wound healing by regulating the movements of epidermal and dermal cells in injured skin. TGF-beta 3 activated Lef1 in the absence of beta-catenin(CTNNB1) via nuclear phospho-Smad2 and Smad4.</p>
Gene ID:	25717
NCBI Accession:	<a href="#">NP_037306</a>
UniProt:	<a href="#">Q07258</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL rat TGF-
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Application Details

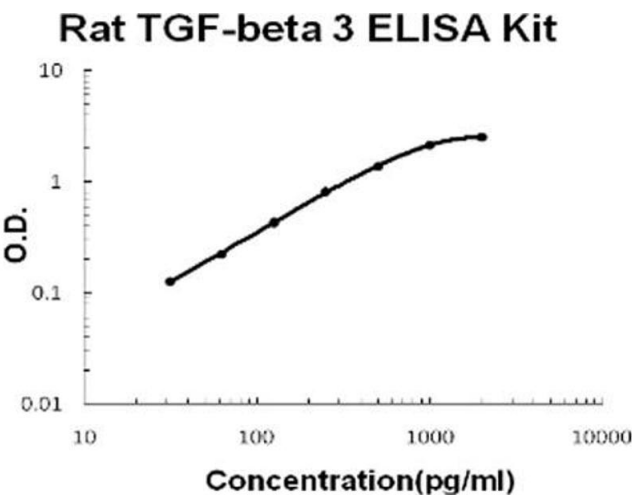
beta 3 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of activated rat cell culture supernates, serum, plasma(EDTA) or urine to each empty well. It is recommended that each rat TGF-beta 3 standard solution and each sample be measured in duplicate.

Comment:	Standard: Expression system for standard: sf21, Immunogen sequence: A301-S412
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

Images



**ELISA**

**Image 1.** Rat TGF-beta 3 Accusignal ELISA Kit Rat TGF-beta 3 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.