

Datasheet for ABIN5510614
TGFB3 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	96 tests
Target:	TGFB3
Binding Specificity:	AA 301-412
Reactivity:	Cow
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of activated Bovine TGF-beta 3
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: sf21 Immunogen sequence: A301-S412
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Sequence similarities: Belongs to the TGF-beta family.

Target Details

Target:	TGFB3
Alternative Name:	TGFB3 (TGFB3 Products)

Target Details

Background:	<p>Protein Function: Involved in embryogenesis and cell differentiation.</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> <p>Synonyms: Transforming growth factor beta-3,TGF-beta-3,Latency-associated peptide,LAP,TGFB3,</p> <p>Full Gene Name: Transforming growth factor beta-3</p> <p>Cellular Localisation: Secreted.</p>
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UniProt:	P10600
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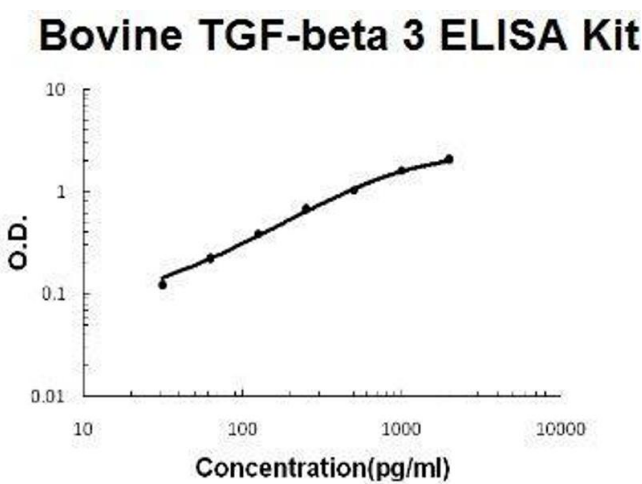
Pathways:	Cell-Cell Junction Organization , Production of Molecular Mediator of Immune Response , Protein targeting to Nucleus
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Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4 °C for 6 months, at -20 °C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Bovine TGF-beta 3 PicoKine ELISA Kit standard curve