

Datasheet for ABIN6719755
TGFB2 ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	TGFB2
Reactivity:	Human
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:	Human TGF beta 2 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human TGF-beta 2. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none">• Antibody-coated 96-well plate• Target Protein Standard• Detection antibody

Product Details

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

Target Details

Target: TGFB2

Alternative Name: TGF beta 2 ([TGFB2 Products](#))

Background: Synonyms: BSC 1 cell growth inhibitor, BSC-1 cell growth inhibitor, Cetermin, G-TSF, Glioblastoma derived T cell suppressor factor, Glioblastoma-derived T-cell suppressor factor, Polyergin, TGF beta2, TGF-beta-2, TGFB2, TGFB2_HUMAN, Transforming growth factor beta-2, Transforming growth factor, beta 2

Background: Transforming growth factor-beta 2(TGF-beta 2) is a secreted protein known as a cytokine that performs many cellular functions and has a vital role during embryonic development. This gene is mapped to 1q41. It is an extracellular glycosylated protein. It is known to suppress the effects of interleukin dependent T-cell tumors. TGF-beta 2 is present at elevated levels in the aqueous humor of patients with primary open angle glaucoma(POAG). Studies have shown that TGF-beta 2 influences cultured trabecular meshwork cells, and it reduced outflow facility when perfused into cultured human anterior segments. In POAG, elevated expression of Gremlin by TM cells inhibited BMP4 antagonism of TGF-beta 2 and led to increased extracellular matrix deposition and elevated IOP.

Gene ID: 7042

NCBI Accession: [NP_001129071](#)

UniProt: [P61812](#)

Pathways: [Cell-Cell Junction Organization](#), [Production of Molecular Mediator of Immune Response](#), [Protein targeting to Nucleus](#)

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 human TGF-beta 2 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample

Application Details

diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of activated human cell culture supernates, serum or plasma (heparin, EDTA, citrate) to each empty well. It is recommended that each human TGF-beta 2 standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: NSO, Immunogen sequence: A303-S414

Sample Volume: 100 μ L

Plate: Pre-coated

Restrictions: For Research Use only

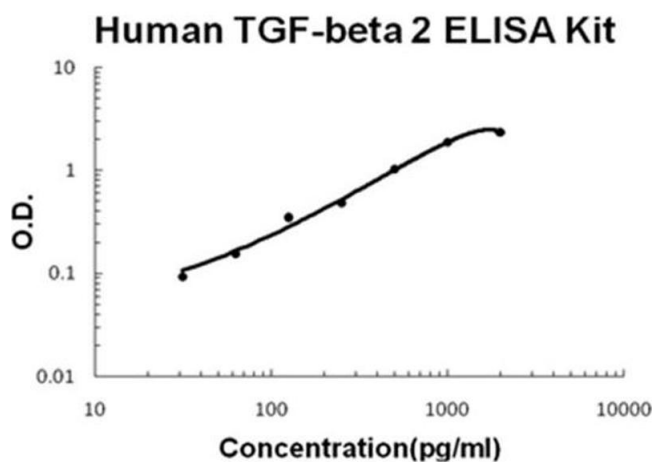
Handling

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. Human TGF-beta 2 Accusignal ELISA Kit Human TGF-beta 2 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.