

Datasheet for ABIN6720341
TGFA ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	TGFA
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Milk, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: EGF like TGF, ETGF, OTTHUMP00000203300, OTTHUMP00000203301, OTTHUMP00000203345, OTTHUMP00000204192, Protransforming growth factor alpha, RATTGFAA, TFGA, TGF A, TGF type 1, TGFA, Transforming growth factor alpha, Transforming growth factor alpha precursor, Wa1, Waved 1</p> <p>Background: Transforming growth factor alpha(TGF-alpha) is upregulated in some human cancers. It is produced in macrophages, brain cells, and keratinocytes, and induces epithelial development. It is closely related to EGF, and can also bind to the EGF receptor with similar effects. TGFalpha stimulates neural cell proliferation in the adult injured brain. Transforming</p>

Product Details

growth factor alpha gene(TGFA) maps to human chromosome 2 close to the breakpoint of the t(2,8) variant translocation in Burkitt lymphoma. Synthetic TGF-alpha was as active as murine epidermal growth factor in binding to the epidermal growth factor receptor and in stimulation of anchorage-dependent and of anchorage-independent growth of normal indicator cells in culture. Synthetic TGF-alpha stimulated plasminogen activator production in A 431 and HeLa cells, the stimulation was similar to that induced by epidermal growth factor. Furthermore, synthetic human TGF-alpha showed similar immunoreactivity when compared with rat TGF-alpha. Thus, the 50-amino acid TGF-alpha is likely to be the bioactive principle produced and secreted by tumor cell lines.

Gene Name: TGFA

Production: Natural and recombinant human TGF alpha. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: V40-A89

Target Details

Target:	TGFA
Alternative Name:	TGF alpha (TGFA Products)
Gene ID:	7039
NCBI Accession:	NP_001093161
UniProt:	P01135
Pathways:	NF-kappaB Signaling , RTK Signaling , EGFR Signaling Pathway

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL human TGF alpha 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 human cell culture supernates, serum, plasma(heparin, EDTA) or milk to each empty well. It is recommended that each human TGF alpha standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
Sample Volume:	100 µL

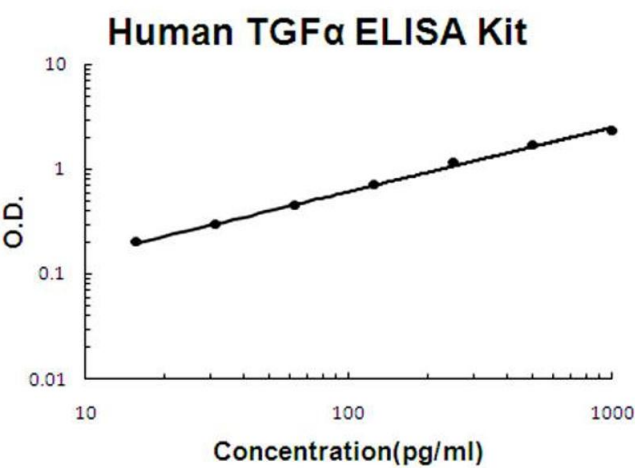
Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,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.

Images



ELISA

Image 1. Human TGF alpha Accusignal ELISA Kit Human TGF alpha AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.