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Datasheet for ABIN5510563 TGFA ELISA Kit

Image



Overview

Quantity:	96 tests
Target:	TGFA
Binding Specificity:	AA 40-89
Reactivity:	Monkey
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of monkey primate TGF alpha
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli,V40-A89
Cross-Reactivity (Details):	There is cross-reactivity with TGF beta 2, TGF beta 3, TGF beta 5<1 $\%$.
Characteristics:	Tissue Specificity: Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines

Target Details

Target:	TGFA
Alternative Name:	TGFA (TGFA Products)

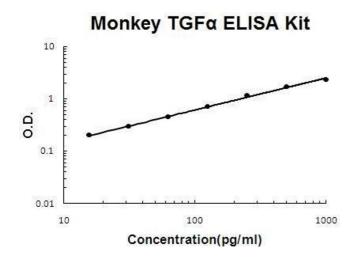
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Target Details	
Background:	Protein Function: TGF alpha is a mitogenic polypeptide that is able to bind to the EGF
	receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell
	proliferation in soft agar.
	Background: Transforming growth factor alpha(TGF-alpha) is upregulated in some monkey
	primate 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 growth factor alpha gene(TGFA) maps to monkey primate 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 monkey primate TGF-alpha showed similar
	immunoreactivity when compared with monkey primate TGF-alpha. Thus, the 50-amino acid
	TGF-alpha is likely to be the bioactive principle produced and secreted by tumor cell lines.
	Synonyms: Protransforming growth factor alpha,Transforming growth factor alpha,TGF-
	alpha,EGF-like TGF,ETGF,TGF type 1,TGFA,
	Full Gene Name: Protransforming growth factor alpha
	Cellular Localisation: Transforming growth factor alpha: Secreted, extracellular space.
UniProt:	P01135
Pathways:	NF-kappaB Signaling, RTK Signaling, EGFR Signaling Pathway
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

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ELISA

Image 1. Monkey Primate TGF alpha PicoKine ELISA Kit standard curve

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