

Human Transforming Growth Factor alpha (TGF-alpha) ELISA Kit | TGF-alpha elisa kit

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CATALOG #
AAA330720

REACTIVITY
Human

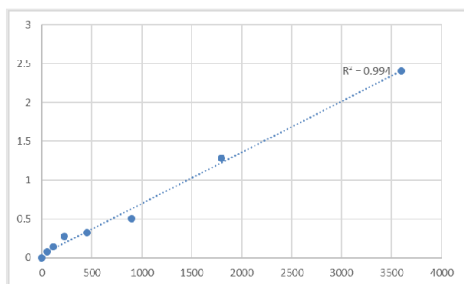
PRODUCT SYNONYMS

Transforming Growth Factor alpha (TGF-alpha); Human Transforming Growth Factor alpha (TGF-alpha) ELISA Kit; TGFA; TFGA; transforming growth factor-alpha; TGF-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transforming growth factor alpha (TGF-alpha) ELISA Kit has high sensitivity and excellent specificity for detection of Human TGFA. No significant cross-reactivity or interference between Human TGFA and analogues was observed.
Sequence Length	159
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Transforming growth factor alpha (TGF-alpha) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TGF-alpha elisa kit	Description: This Human Transforming growth factor alpha (TGF-alpha) ELISA Kit employs a two-site sandwich ELISA to quantitate TGFA in samples. An antibody specific for TGFA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TGFA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TGFA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TGFA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Transforming growth factor alpha (TGF-alpha) is a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. TGF-alpha has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for TGF-alpha.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153791414
NCBI GeneID	7039
NCBI Accession #	NP_001093161.1
NCBI GenBank Nucleotide #	NP_001093161.1
UniProt Accession #	P01135
NCBI Official Full Name	protransforming growth factor alpha isoform 2 preproprotein
NCBI Official Synonym Full Names	transforming growth factor alpha
NCBI Official Symbol	TGFA
NCBI Official Synonym Symbols	TFGA
NCBI Protein Information	protransforming growth factor alpha
UniProt Protein Name	Protransforming growth factor alpha
UniProt Gene Name	TGFA
UniProt Synonym Gene Names	TGF-alpha; ETGF
UniProt Entry Name	TGFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/transforming-growth-factor-alpha-tgf-alpha/330720>