

TGF Alpha ELISA Kit | TGFA elisa kit

Horse equine TGF Alpha PicoKine ELISA Kit

CATALOG # AAA124787	REACTIVITY Equine There is cross-reactivity with TGF beta 2, TGF beta 3, TGF beta 5	APPLICATIONS ELISA
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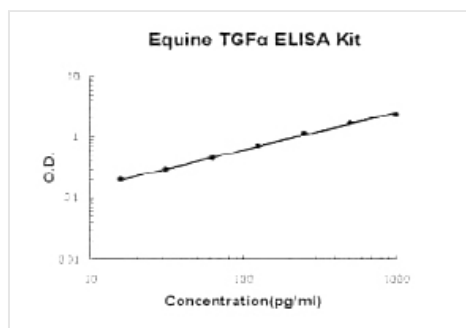
PRODUCT SYNONYMS

TGF Alpha; Horse equine TGF Alpha PicoKine ELISA Kit; Protransforming growth factor alpha; Transforming growth factor alpha; TGF-alpha; EGF-like TGF; ETGF; TGF type 1; TGFA; TGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Equine There is cross-reactivity with TGF beta 2, TGF beta 3, TGF beta 5<1%.
Specificity	Natural and recombinant 216 Horse equine TGF Alpha
Sequence Length	162
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Applicable Applications for TGFA elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration weretested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration weretested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFA elisa kit	Principle of the Assay: 216 Horse equine TGF Alpha ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Horse equine TGF Alpha has been precoated onto 96-well plates. Standards(Expression system for standard: E. coli,V40-A89) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Horse equine TGF Alpha is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the 216 Horse equine TGF Alpha amount of sample captured in plate. Background: Transforming growth factor alpha(TGF-alpha) is upregulated in some horse equine 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 horse equine 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 horse equine TGF-alpha showed similar immunoreactivity when compared with horse equine TGF-alpha. Thus, the 50-amino acid TGF- alpha is likely to be the bioactive principle produced and secreted by tumor cell lines.
Product Categories/Family for TGFA elisa kit	Cardiovascular; Angiogenesis; Growth Factors; TGF; Signal Transduction; Growth Factors/Hormones; Cancer; Invasion/Microenvironment; Angiogenic Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791414
NCBI GeneID	7039
NCBI Accession #	NP_001093161.1
NCBI GenBank Nucleotide #	NM_001099691.2
UniProt Accession #	P01135; Q15577; Q53SK7; Q9BS56; Q9UEI3; Q9UKM1; Q9UKM2; Q9UKM3; A8K286
Molecular Weight	17006 MW
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

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.