

Bovine Transforming Growth Factor Alpha ELISA Kit | TGFa elisa kit

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CATALOG #
AAA16894

REACTIVITY
Bovine

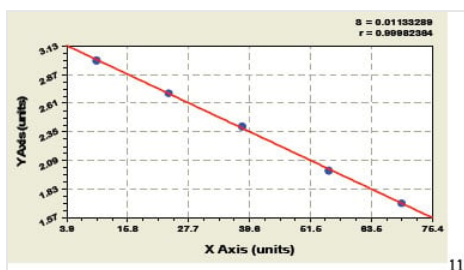
PRODUCT SYNONYMS

Transforming Growth Factor Alpha; Bovine Transforming Growth Factor Alpha ELISA Kit; TGFa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This TGF-alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine TGF-alpha. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TGFa elisa kit

Principle of the assay: TGF-alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TGF-alpha antibody and an TGF-alpha-HRP conjugate. The assay sample and buffer are incubated together with TGF-alpha-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TGF-alpha concentration since TGF-alpha from samples and TGF-alpha-HRP conjugate compete for the anti-TGF-alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by TGF-alpha from the sample, fewer sites are left to bind TGF-alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TGF-alpha concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TGFa elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	339542
NCBI GeneID	7039
Molecular Weight	17,329 Da
NCBI Official Full Name	transforming growth factor alpha, partial
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; TGF-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.

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Online datasheet: <https://stage.aaabiotech.com/tgfa-bovine-ovine-elisa-kits/transforming-growth-factor-alpha/16894>