

ARG83154 Porcine TGF Alpha ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83154 Porcine TGF Alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Porcine TGF Alpha in Serum, Plasma, Porcine Milk and Cell culture supernatants.
Tested Reactivity	Pig
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TGF alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	2 pg/ml
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sample Type	Serum, Plasma, Porcine Milk and Cell culture supernatants
Precision	Intra-Assay CV: 4.6% Inter-Assay CV: 6.1%
Alternate Names	ETGF; EGF-like TGF; TFGA; Protransforming growth factor alpha; TGF-alpha; TGF type 1

Application Instructions

Assay Time	~ 5 hours
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Properties

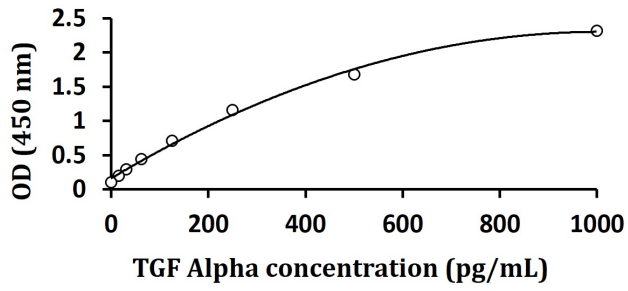
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TGFA
Gene Full Name	transforming growth factor, alpha
Background	This gene encodes 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. This gene 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 this gene. [provided by RefSeq, Sep 2011]

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. [UniProt]
Cellular Localization	Transforming growth factor alpha: Secreted, extracellular space. Protransforming growth factor alpha: Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG83154 Porcine TGF Alpha ELISA Kit standard curve image

ARG83154 Porcine TGF Alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.