

ARG80136 Human TGF alpha ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80136-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80136-002	Standard (Lyophilized)	2 X 0.5 ng/vial	4°C
ARG80136-003	Standard diluent buffer	20 ml	4°C
ARG80136-004	Antibody conjugate concentrate	400 µl	4°C
ARG80136-005	Antibody diluent buffer	16 ml	4°C
ARG80136-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80136-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80136-008	20X Wash buffer	50 ml	4°C
ARG80136-009	TMB substrate	12ml	4°C (Protect from light)
ARG80136-010	STOP solution	12ml	4°C
ARG80136-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80136 Human TGF alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TGF alpha in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human Amphiregulin, HB-EGF, Betacellulin, HRG-alpha, EGF, SMDF, EGFR
Target Name	TGF alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	4 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	7.8 - 500 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	ETGF; EGF-like TGF; TFGA; Protransforming growth factor alpha; TGF-alpha; TGF type 1

Application Instructions

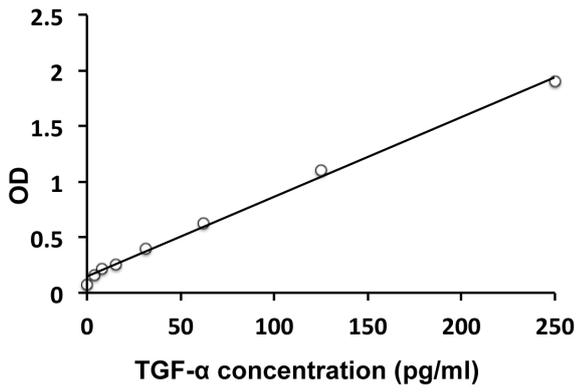
Assay Time	4 hours
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Properties

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]
Highlight	Related products: TGF alpha antibodies ; TGF alpha ELISA Kits ; TGF alpha recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Signaling Transduction kit



ARG80136 Human TGF alpha ELISA Kit standard curve image

ARG80136 Human TGF alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.