

ARG80245 Rat TGF beta 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80245-01	Antibody-coated microplate	8 X 12 strips	4°C
ARG80245-02	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80245-03	Standard diluent buffer	20 ml	4°C
ARG80245-04	Antibody conjugate concentrate	400 µl	4°C
ARG80245-05	Antibody diluent buffer	16 ml	4°C
ARG80245-06	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80245-07	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80245-08	20X Wash buffer	50 ml	4°C
ARG80245-09	TMB substrate	12ml	4°C (Protect from light)
ARG80245-10	STOP solution	12ml	4°C
ARG80245-11	1N HCl	5 ml	4°C
ARG80245-12	1N NaOH	5 ml	4°C
ARG80245-13	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80245 Rat TGF beta 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat TGF beta 1 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Rat Agrin, human Activin A, Activin RIA, Activin RIIA, Activin RIIB, BMP-2,3,4,5,6,10, BMP-3b, BMP-8b, mouse BMP-3b, BMPR-IA, BMPR-IB, TGF- beta RI
Target Name	TGF beta 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants

Standard Range	31.25 - 2000 pg/ml
Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	TGFB; DPD1; TGFbeta; CED; Transforming growth factor beta-1; LAP; TGF-beta-1

Application Instructions

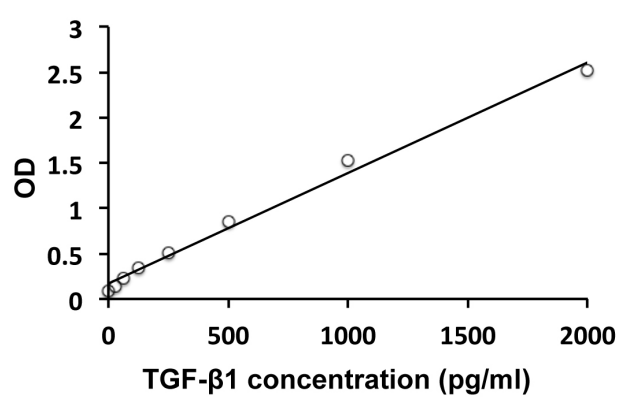
Assay Time	4 hours
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Properties

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

Database links	GeneID: 59086 Rat Swiss-port # P17246 Rat
Gene Symbol	Tgfb1
Gene Full Name	transforming growth factor, beta 1
Background	TGF beta (Transforming Growth Factor beta) is a multifunctional peptide that controls proliferation, differentiation and other functions in many cell types.
Highlight	<p>Related products:</p> <p>TGF beta antibodies; TGF beta ELISA Kits; TGF beta recombinant proteins;</p> <p>New ELISA data calculation tool:</p> <p>Simplify the ELISA analysis by GainData</p>
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Developmental Biology kit; Metabolism kit; Signaling Transduction kit
PTM	<p>Glycosylated.</p> <p>The precursor is cleaved into mature TGF-beta-1 and LAP, which remains non-covalently linked to mature TGF-beta-1 rendering it inactive.</p>



ARG80245 Rat TGF beta 1 ELISA Kit standard curve image

ARG80245 Rat TGF beta 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.