

ARG82275 Mouse TDGF1 / Cripto 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82275-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82275-002	Standard	2 X 10 ng/vial	4°C
ARG82275-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82275-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82275-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82275-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82275-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82275-008	25X Wash buffer	20 ml	4°C
ARG82275-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82275-010	STOP solution	10 ml (Ready to use)	4°C
ARG82275-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82275 Mouse TDGF1 / Cripto 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse TDGF1 / Cripto 1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TDGF1 / Cripto 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 5.9%
Alternate Names	CRGF; Teratocarcinoma-derived growth factor 1; Cripto-1 growth factor; CR; CRIPTO; Epidermal growth factor-like cripto protein CR1

Application Instructions

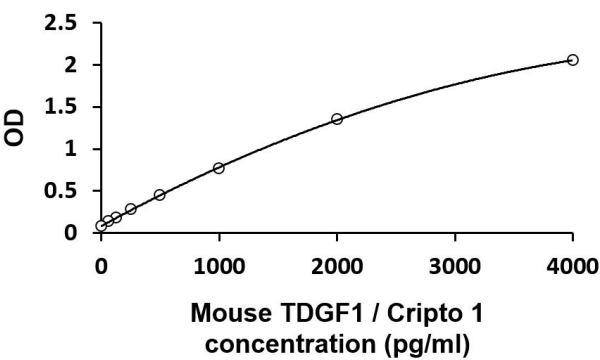
Assay Time	~ 5 hours
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Properties

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	TDGF1
Gene Full Name	teratocarcinoma-derived growth factor 1
Background	This gene encodes an epidermal growth factor-related protein that contains a cripto, FRL-1, and cryptic domain. The encoded protein is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic development and tumor growth. Mutations in this gene are associated with forebrain defects. Pseudogenes of this gene are found on chromosomes 2, 3, 6, 8, 19 and X. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]
Function	Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm. [UniProt]
Highlight	Related products: TDGF1 antibodies ; TDGF1 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Released from the cell membrane by GPI cleavage. [UniProt]



ARG82275 Mouse TDGF1 / Cripto 1 ELISA Kit standard curve image

ARG82275 Mouse TDGF1 / Cripto 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.