

## ARG81682 Mouse Cardiotrophin 1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81682-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81682-002	Standard	2 X 10 ng/vial	4°C
ARG81682-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81682-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81682-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81682-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81682-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81682-008	25X Wash buffer	20 ml	4°C
ARG81682-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81682-010	STOP solution	10 ml (Ready to use)	4°C
ARG81682-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81682 Mouse Cardiotrophin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Cardiotrophin 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	Cardiotrophin 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0%; Inter-Assay CV: 6.5%
Alternate Names	CT-1; CT1; Cardiotrophin-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	CTF1
Gene Full Name	cardiotrophin 1
Background	The protein encoded by this gene is a secreted cytokine that induces cardiac myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receptor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
Function	Induces cardiac myocyte hypertrophy in vitro. Binds to and activates the ILST/gp130 receptor. [UniProt]
Highlight	Related products: <a href="#">Cardiotrophin 1 antibodies</a> ; <a href="#">Cardiotrophin 1 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

Images

