

ARG82506 Mouse CNTN4 / Contactin 4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82506-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82506-002	Standard	2 X 10 ng/vial	4°C
ARG82506-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82506-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82506-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82506-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82506-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82506-008	25X Wash buffer	20 ml	4°C
ARG82506-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82506-010	STOP solution	10 ml (Ready to use)	4°C
ARG82506-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82506 Mouse CNTN4 / Contactin 4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CNTN4 / Contactin 4 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	CNTN4 / Contactin 4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	156 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	312 - 20000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 6.7%

Application Instructions

Assay Time ~ 5 hours

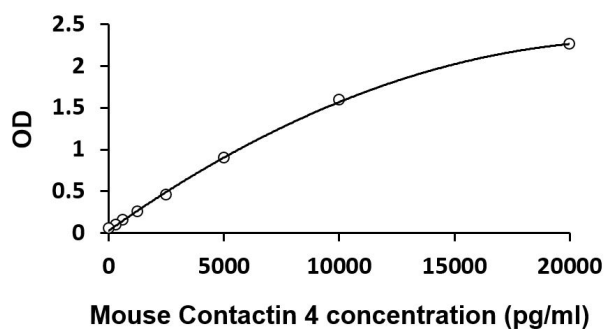
Properties

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	CNTN4
Gene Full Name	contactin 4
Background	This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]
Function	Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis. [UniProt]
Highlight	Related products: Contactin antibodies ; Contactin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. [UniProt]

Images



ARG82506 Mouse CNTN4 / Contactin 4 ELISA Kit standard curve image

ARG82506 Mouse CNTN4 / Contactin 4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.