

## ARG82712 Mouse Plexin C1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82712-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82712-002	Standard	2 X 10 ng/vial	4°C
ARG82712-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82712-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82712-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82712-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82712-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82712-008	25X Wash buffer	20 ml	4°C
ARG82712-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82712-010	STOP solution	10 ml (Ready to use)	4°C
ARG82712-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82712 Mouse Plexin C1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Plexin C1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	Plexin C1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	50 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	93.8 - 6000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.4% Inter-Assay CV: 6.7%

Alternate Names	Virus-encoded semaphorin protein receptor; VESPR; Plexin-C1; CD232; CD antigen CD232; PLXN-C1
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## Application Instructions

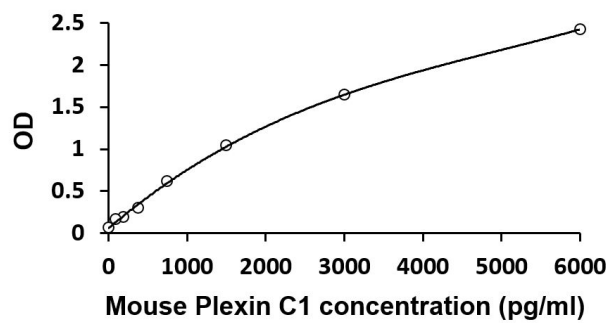
Assay Time	~ 5 hours
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## Properties

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	PLXNC1
Gene Full Name	plexin C1
Background	This gene encodes a member of the plexin family. Plexins are transmembrane receptors for semaphorins, a large family of proteins that regulate axon guidance, cell motility and migration, and the immune response. The encoded protein and its ligand regulate melanocyte adhesion, and viral semaphorins may modulate the immune response by binding to this receptor. The encoded protein may be a tumor suppressor protein for melanoma. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2011]
Function	Receptor for SEMA7A, for smallpox semaphorin A39R, vaccinia virus semaphorin A39R and for herpesvirus Sema protein. Binding of semaphorins triggers cellular responses leading to the rearrangement of the cytoskeleton and to secretion of IL6 and IL8 (By similarity). [UniProt]
Highlight	Related products: <a href="#">Plexin antibodies</a> ; <a href="#">Plexin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	N-glycosylated. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]



ARG82712 Mouse Plexin C1 ELISA Kit standard curve image

ARG82712 Mouse Plexin C1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.