

ARG82544 Rat Semaphorin 6C ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82544-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82544-002	Standard	2 X 10 ng/vial	4°C
ARG82544-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82544-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82544-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82544-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82544-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82544-008	25X Wash buffer	20 ml	4°C
ARG82544-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82544-010	STOP solution	10 ml (Ready to use)	4°C
ARG82544-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82544 Rat Semaphorin 6C ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Semaphorin 6C in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	Semaphorin 6C
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	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 6.8%

Alternate Names SEMAY; Semaphorin-6C; m-SemaY2; Semaphorin-Y; m-SemaY; Sema Y

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 SEMA6C

Gene Full Name sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C

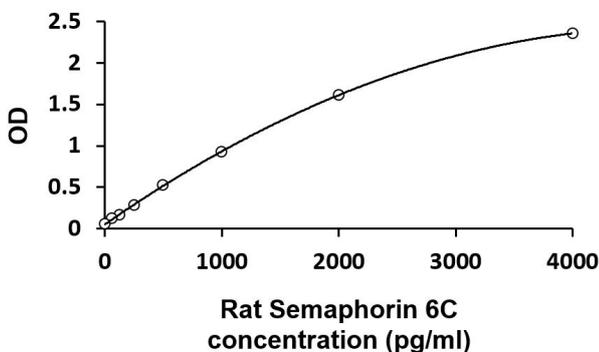
Background This gene encodes a member of the semaphorin family. Semaphorins represent important molecular signals controlling multiple aspects of the cellular response that follows CNS injury, and thus may play an important role in neural regeneration. [provided by RefSeq, May 2010]

Function Shows growth cone collapsing activity on dorsal root ganglion (DRG) neurons in vitro. May be a stop signal for the DRG neurons in their target areas, and possibly also for other neurons. May also be involved in the maintenance and remodeling of neuronal connections. [UniProt]

Highlight Related products:
[Semaphorin antibodies](#); [Semaphorin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG82544 Rat Semaphorin 6C ELISA Kit standard curve image

ARG82544 Rat Semaphorin 6C ELISA Kit results of a typical standard run with optical density reading at 450 nm.