

ARG82545 Human Semaphorin 6D ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82545-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82545-002	Standard	2 X 10 ng/vial	4°C
ARG82545-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82545-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82545-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82545-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82545-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82545-008	25X Wash buffer	20 ml	4°C
ARG82545-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82545-010	STOP solution	10 ml (Ready to use)	4°C
ARG82545-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82545 Human Semaphorin 6D ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Semaphorin 6D in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Semaphorin 6D
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	20 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 6.7%

Alternate Names Semaphorin-6D

Application Instructions

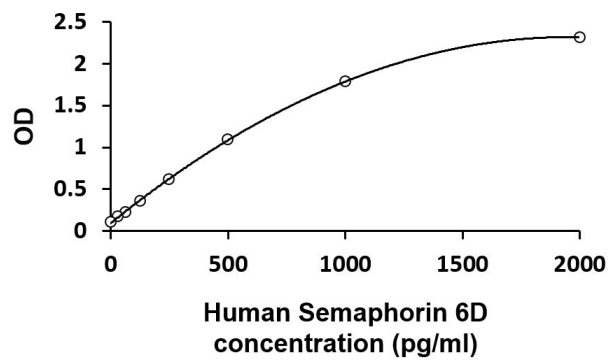
Assay Time ~ 5 hours

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	SEMA6D
Gene Full Name	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D
Background	<p>Semaphorins are a large family, including both secreted and membrane associated proteins, many of which have been implicated as inhibitors or chemorepellents in axon pathfinding, fasciculation and branching, and target selection. All semaphorins possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Additional sequence motifs C-terminal to the semaphorin domain allow classification into distinct subfamilies. Results demonstrate that transmembrane semaphorins, like the secreted ones, can act as repulsive axon guidance cues. This gene encodes a class 6 vertebrate transmembrane semaphorin that demonstrates alternative splicing. Several transcript variants have been identified and expression of the distinct encoded isoforms is thought to be regulated in a tissue- and development-dependent manner. [provided by RefSeq, Nov 2010]</p>
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	<p>Related products: Semaphorin antibodies; Semaphorin ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Cell membrane; Single-pass type I membrane protein. Isoform 3: Cell membrane; Single-pass type I membrane protein. Isoform 4: Cell membrane; Single-pass type I membrane protein. Isoform 5: Cell membrane; Single-pass type I membrane protein. Isoform 7: Cytoplasm. [UniProt]



ARG82545 Human Semaphorin 6D ELISA Kit standard curve image

ARG82545 Human Semaphorin 6D ELISA Kit results of a typical standard run with optical density reading at 450 nm.