

ARG82525 Human SLITRK1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82525-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82525-002	Standard	2 X 10 ng/vial	4°C
ARG82525-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82525-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82525-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82525-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82525-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82525-008	25X Wash buffer	20 ml	4°C
ARG82525-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82525-010	STOP solution	10 ml (Ready to use)	4°C
ARG82525-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82525 Human SLITRK1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human SLITRK1 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	SLITRK1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.2%

Alternate Names SLIT and NTRK-like protein 1; Leucine-rich repeat-containing protein 12; LRRC12; TTM

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 SLITRK1

Gene Full Name SLIT and NTRK-like family, member 1

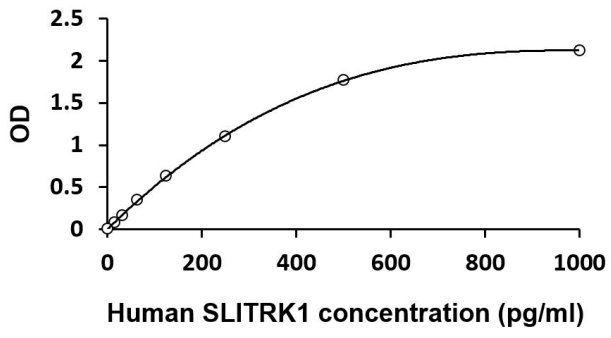
Background This gene encodes a member of the SLITRK protein family. Members of this family are integral membrane proteins that are characterized by two N-terminal leucine-rich repeat (LRR) domains and a C-terminal region that shares homology with trk neurotrophin receptors. However, the protein encoded by this gene lacks the region of homology to neurotrophin receptors. This protein is thought to be involved in neurite outgrowth. Mutations in this gene may be associated with Tourette syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Function Enhances neuronal dendrite outgrowth. [UniProt]

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[Simplify the ELISA analysis by GainData](#)

PTM Undergoes proteolytic cleavage that results in shedding of the ectodomain and cleavage of the C-terminal cytoplasmic tail. Glycosylated. Phosphorylation at Ser-695 is necessary for proper function in promoting neurite outgrowth. [UniProt]

Cellular Localization Membrane; Single-pass type I membrane protein. Secreted. Cell junction, synapse. [UniProt]



ARG82525 Human SLITRK1 ELISA Kit standard curve image

ARG82525 Human SLITRK1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.