ARG81969
Mouse CHL1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81969-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81969-002	Standard	2 X 10 ng/vial	4°C
ARG81969-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81969-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81969-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81969-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81969-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81969-008	25X Wash buffer	20 ml	4°C
ARG81969-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81969-010	STOP solution	10 ml (Ready to use)	4°C
ARG81969-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81969 Mouse CHL1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CHL1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CHL1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8%; Inter-Assay CV: 7.2%
Alternate Names	Close homolog of L1; L1CAM2; Neural cell adhesion molecule L1-like protein; CALL

Application Instructions

Assay Time	~ 5 hours

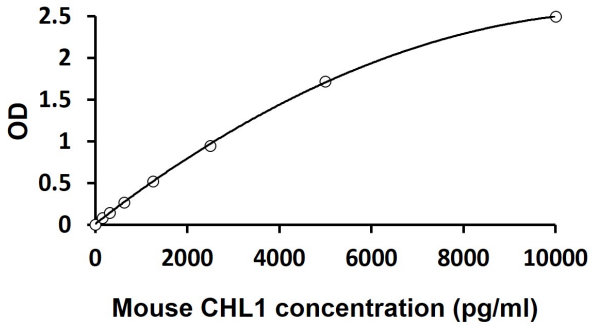
Properties

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	CHL1
Gene Full Name	cell adhesion molecule L1-like
Background	The protein encoded by this gene is a member of the L1 gene family of neural cell adhesion molecules. It is a neural recognition molecule that may be involved in signal transduction pathways. The deletion of one copy of this gene may be responsible for mental defects in patients with 3p- syndrome. This protein may also play a role in the growth of certain cancers. Alternate splicing results in both coding and non-coding variants. [provided by RefSeq, Nov 2011]
Function	Extracellular matrix and cell adhesion protein that plays a role in nervous system development and in synaptic plasticity. Both soluble and membranous forms promote neurite outgrowth of cerebellar and hippocampal neurons and suppress neuronal cell death. Plays a role in neuronal positioning of pyramidal neurons and in regulation of both the number of interneurons and the efficacy of GABAergic synapses. May play a role in regulating cell migration in nerve regeneration and cortical development. Potentiates integrin-dependent cell migration towards extracellular matrix proteins. Recruits ANK3 to the plasma membrane (By similarity). [UniProt]
Highlight	Related products: CHL1 antibodies; CHL1 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Cleavage by metalloprotease ADAM8 in the extracellular part generates 2 soluble forms (125 kDa and 165 kDa) in vitro and is inhibited by metalloprotease inhibitors. N-glycosylated. Contains N-linked oligosaccharides with a sulfated carbohydrate structure type HNK-1 (SO4-3-GlcUABeta1,3GalBeta1,4GlcNAc) (By similarity). O-glycosylated. [UniProt]

Images



ARG81969 Mouse CHL1 ELISA Kit standard curve image

ARG81969 Mouse CHL1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.