

Datasheet for ABIN5510734

**CHL1 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	CHL1
Binding Specificity:	AA 26-1083
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CHL1/L1CAM-2
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: E26-W1083
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed in the brain, in the cerebellum and in the spinal cord. Detected in the retina and the optic nerve. Expressed in neurons and glial cells in the central nervous system and by Schwann cells in the peripheral nervous system. .

## Target Details

Target:	CHL1
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## Target Details

Alternative Name: Chl1 ([CHL1 Products](#))

Background: Protein 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 as well as 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. .

Background: Neural cell adhesion molecule L1-like protein also known as close homolog of L1 (CHL1) is a protein that in humans is encoded by the CHL1 gene. This protein is a member of the L1 gene family of neural cell adhesion molecules. By FISH, the CHL1 gene was mapped to chromosome 3p26.1. The protein however has dynamic localisation, meaning that it has not only multiple roles in the cell, but also various locations. This protein may also play a role in the growth of certain cancers.

Synonyms: Neural cell adhesion molecule L1-like protein,Cell adhesion molecule with homology to L1CAM,Chl1-like protein,Close homolog of L1,Processed neural cell adhesion molecule L1-like protein,Chl1,Call,

Full Gene Name: Neural cell adhesion molecule L1-like protein

Cellular Localisation: Cell membrane, Single-pass type I membrane protein. Soluble forms produced by cleavage/shedding also exist.

UniProt: [P70232](#)

## Application Details

Plate: Pre-coated

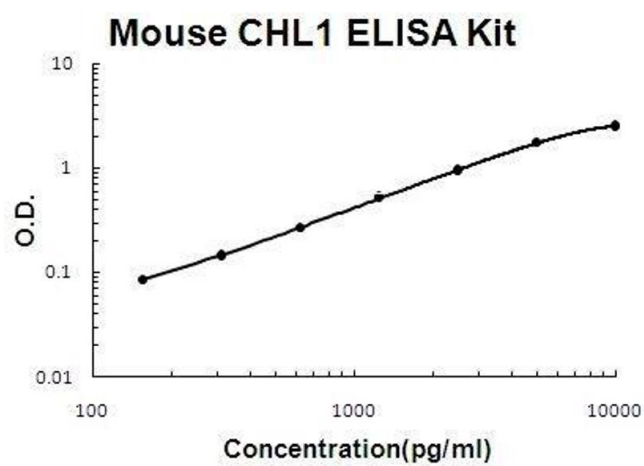
Restrictions: For Research Use only

## Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



**ELISA**

**Image 1.** Mouse CHL1/L1CAM-2 PicoKine ELISA Kit standard curve