

Anti-L1-CAM Reference Antibody (Ligachem patent anti-L1-CAM)

Catalog # APR11301

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P32004
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-REM-GASD-ALIE
Calculated MW	140003

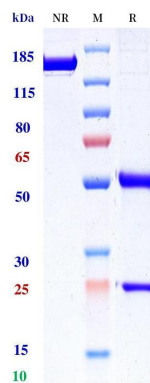
Additional Information

Target/Specificity	L1-CAM
Expression system	CHO

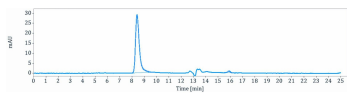
Protein Information

Name	L1CAM
Synonyms	CAML1, MIC5
Function	Neural cell adhesion molecule involved in the dynamics of cell adhesion and in the generation of transmembrane signals at tyrosine kinase receptors. During brain development, critical in multiple processes, including neuronal migration, axonal growth and fasciculation, and synaptogenesis. In the mature brain, plays a role in the dynamics of neuronal structure and function, including synaptic plasticity.
Cellular Location	Cell membrane; Single-pass type I membrane protein {ECO:0000250 UniProtKB:Q05695}. Cell projection, growth cone {ECO:0000250 UniProtKB:Q05695}. Cell projection, axon. Cell projection, dendrite Note=Colocalized with SHTN1 in close apposition with actin filaments in filopodia and lamellipodia of axonal growth cones of hippocampal neurons (By similarity). In neurons, detected predominantly in axons and cell body, weak localization to dendrites (PubMed:20621658) {ECO:0000250 UniProtKB:Q05695, ECO:0000269 PubMed:20621658}

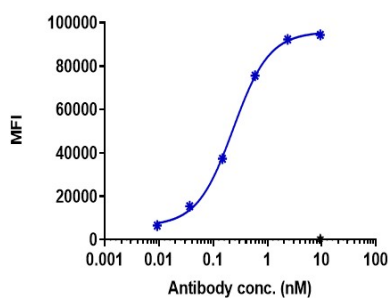
Images



anti-L1-CAM) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-L1-CAM Reference Antibody (Ligachem patent anti-L1-CAM) is 97.63%, determined by SEC-HPLC.



HuL1CAM-HEK293 (A9) cell line were stained with Ligachem patent anti-L1-CAM and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.232 nM.

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