

L1CAM monoclonal antibody, clone UJ127

Catalog # MAB11365 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against L1CAM.
Immunogen	Homogenous suspension of 16 week human fetal brain.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G affinity chromatography
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Frozen sections) (1-2 ug/mL for 30 min at RT) Immunoprecipitation (1-2 ug/500 ug protein) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)

- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — L1CAM

Entrez GeneID [3897](#)

Gene Name L1CAM

Gene Alias CAML1, CD171, HSAS, HSAS1, MASA, MIC5, N-CAML1, S10, SPG1

Gene Description L1 cell adhesion molecule

Omim ID [142623](#) [303350](#) [304100](#) [307000](#) [308840](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause three X-linked neurological syndromes known by the acronym CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of a neuron-specific exon is thought to be functionally relevant. [provided by RefSeq]

Other Designations OTTHUMP00000025992|antigen identified by monoclonal antibody R1|neural cell adhesion molecule L1

Pathway

- [Axon guidance](#)
- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)

- [Cardiovascular Diseases](#)
- [Cystadenocarcinoma](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Spastic Paraplegia](#)