

For Research Use Only

# Biotin-conjugated L1CAM Monoclonal antibody



Catalog Number: Biotin-67115

## Basic Information

<b>Catalog Number:</b> Biotin-67115	<b>GenBank Accession Number:</b> BC126229	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3897	<b>CloneNo.:</b> 3H7B9
<b>Source:</b> Mouse	<b>Full Name:</b> L1 cell adhesion molecule	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 1257 aa, 140 kDa	
<b>Immunogen Catalog Number:</b> AG17706	<b>Observed MW:</b> 220 kDa	

## Applications

**Tested Applications:**  
IHC

**Positive Controls:**

IHC : mouse brain tissue, human hypothalamus tissue

**Species Specificity:**

Human, Pig, Mouse, Rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

## Background Information

L1CAM, also known as NCAM-L1 or CD171, is a cell adhesion molecule of the immunoglobulin superfamily. It is a 200-220 kDa transmembrane glycoprotein composed of six Ig-like domains and five fibronectin type III repeats followed by a transmembrane region and a highly conserved cytoplasmic tail (PMID: 3412448; 22796939). L1CAM is primarily expressed in the nervous system and is involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, cerebellar granule cell migration, neurite outgrowth on Schwann cells and interactions among epithelial cells of intestinal crypts (PMID: 3412448; 10767310). L1CAM is overexpressed in many human cancers and is often associated with bad prognosis (PMID: 27267927; 26111503).

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

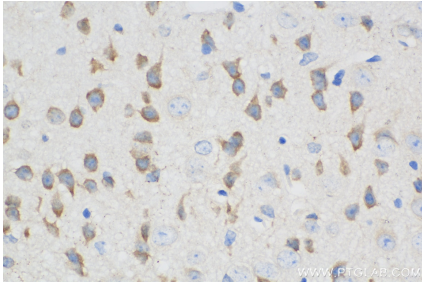
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using Biotin-67115 (L1CAM antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).