CoraLite® Plus 488-conjugated L1CAM Monoclonal antibody

Proteintech®
Antibodies I ELISA kits I Proteins
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Catalog Number:CL488-67115

Basic Information

Catalog Number:
CL488-67115

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG17706

GenBank Accession Number:
BC126229

GeneID (NCBI):
3897

UNIPROT ID:
P32004

Full Name:
L1 cell adhesion molecule

Calculated MW:
1257 aa, 140 kDa

Observed MW:
220 kDa

Purification Method:
Protein G purification

CloneNo.:
3H7B9

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF-P

Species Specificity:
Human, Pig, Mouse, Rat

Positive Controls:
IF : mouse brain tissue,

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).
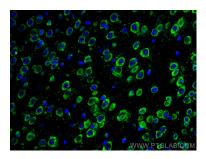
Storage

Storage:
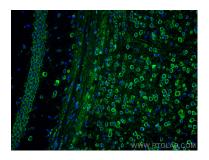Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 L1CAM antibody (CL488-67115, Clone: 3H7B9) at dilution of 1:200.

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