

For Research Use Only

# CoraLite® Plus 647-conjugated N-cadherin Monoclonal antibody

Catalog Number: CL647-66219

Featured Product



## Basic Information

### Catalog Number:

CL647-66219

### GenBank Accession Number:

BC036470

### Purification Method:

Protein G purification

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### GeneID (NCBI):

1000

### CloneNo.:

1D8B3

### Source:

Mouse

### UNIPROT ID:

P19022

### Recommended Dilutions:

IF-P 1:50-1:500

### Isotype:

IgG1

### Full Name:

cadherin 2, type 1, N-cadherin (neuronal)

### Excitation/Emission maxima wavelengths:

654 nm / 674 nm

### Immunogen Catalog Number:

AG4996

### Calculated MW:

906 aa, 100 kDa

### Observed MW:

130 kDa

## Applications

### Tested Applications:

IF-P

### Positive Controls:

IF-P: mouse heart tissue,

### Species Specificity:

human, pig, mouse, rat, rabbit

## Background Information

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. N-cadherin (neural cadherin), also known as CDH2 (cadherin 2), is a 130-kDa transmembrane protein and a classical member of the cadherin superfamily which also include E-, P-, R-, and B-cadherins. Expression of N-cadherin has been reported on various cell types including neurons, endothelial cells and cardiac myocytes (PMID: 11282032; 9508779; 8125202). N-cadherin has functions in early brain morphogenesis, synaptogenesis and synaptic plasticity (PMID: 23321619). The N-cadherin ectodomain can be cleaved, leading to the generation of a 90 kD N-terminal fragment (PMID: 16998833; 17028923).

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

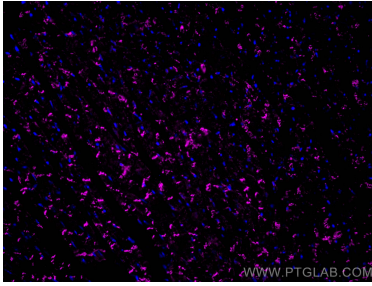
For technical support and original validation data for this product please contact:

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

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CoraLite® Plus 647 N-cadherin antibody (CL647-66219, Clone: 1D8B3 ) at dilution of 1:200.