

For Research Use Only

# FcZero-rAb™ PE Anti-Human N-cadherin Rabbit Recombinant Antibody

Catalog Number: PE-FcA98006



## Basic Information

<b>Catalog Number:</b> PE-FcA98006	<b>GenBank Accession Number:</b> NM_001792.4	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100 tests, 5 µl/test	<b>GeneID (NCBI):</b> 1000	<b>CloneNo.:</b> 230259D7
<b>Source:</b> Rabbit	<b>Full Name:</b> cadherin 2, type 1, N-cadherin (neuronal)	<b>Recommended Dilutions:</b> FC: 5 µl per 10 <sup>6</sup> cells in 100 µl suspension
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 100 kDa	<b>Excitation/Emission maximum wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Immunogen Catalog Number:</b> EG0701		

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : HeLa cells,
<b>Species Specificity:</b> human	

## 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).

## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

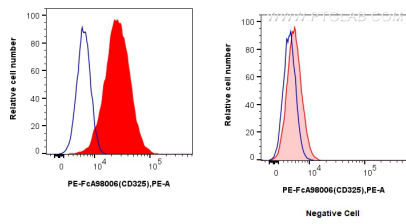
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## Selected Validation Data



1x10<sup>6</sup> HeLa cells (left) or MCF-7 cells (right) were surface stained with 5  $\mu$ l PE Anti-Human N-cadherin/CD325 Rabbit RecAb (PE-FcA98006, Clone: 230259D7) (red), or 5  $\mu$ l PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.