

For Research Use Only

Anti-Human N-cadherin/CD325 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98006-1-PBS



Basic Information

Catalog Number:

98006-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001792.4

GeneID (NCBI):

1000

UNIPROT ID:

P19022-1

Full Name:

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

Calculated MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

230259D7

Applications

Tested Applications:

FC

Species Specificity:

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 -80°C. Stable for one year after shipment.

Storage Buffer:

PBS only

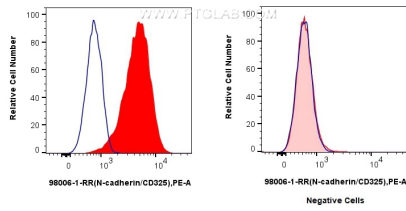
For technical support and original validation data for this product please contact:

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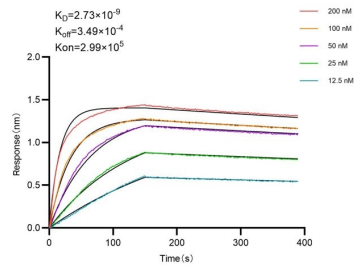
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Selected Validation Data



1x10⁶ HeLa cells (left) or MCF-7 cells (right) were surface stained with 0.25 ug Anti-Human N-cadherin/CD325 Rabbit Recombinant Antibody (98006-1-RR, Clone: 230259D7) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98006-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98006-1-RR against Human N-cadherin were performed. The affinity constant is 2.73 nM.