Anti-Human N-cadherin/CD325 Rabbit Recombinant Antibody

Catalog Number:98006-1-RR
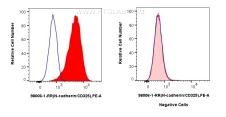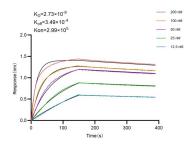
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Basic Information

Catalog Number: 98006-1-RR	**GenBank Accession Number:** NM_001792.4	**Purification Method:** Protein A purification
Size: 100ug, 1000 μg/ml	**GeneID (NCBI):** 1000	**CloneNo.:** 230259D7
Source: Rabbit	**UNIPROT ID:** P19022-1	
Isotype: IgG	**Full Name:** cadherin 2, type 1, N-cadherin (neuronal)	
	Calculated MW: 100 kDa	

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 2-8℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

Selected Validation Data

1x10^6 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 Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were not fixed.

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