

For Research Use Only

# Anti-Mouse CD324 (E-cadherin) Rabbit Recombinant Antibody

Catalog Number: 98140-1-RR



## Basic Information

Catalog Number:

98140-1-RR

Size:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_009864.3

GeneID (NCBI):

12550

UNIPROT ID:

P09803

Full Name:

cadherin 1

Calculated MW:

98kDa

Purification Method:

Protein A purification

CloneNo.:

241282C1

## Applications

Tested Applications:

FC

Species Specificity:

mouse, canine

## 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. E-cadherin (epithelial cadherin), also known as CD324, CDH1 (cadherin 1) or CAM 120/80, is a classical member of the cadherin superfamily which also include N-, P-, R-, and B-cadherins. E-cadherin is expressed on the cell surface in most epithelial tissues. The extracellular region of E-cadherin establishes calcium-dependent homophilic trans binding, providing specific interaction with adjacent cells, while the cytoplasmic domain is connected to the actin cytoskeleton through the interaction with p120-,  $\alpha$ -,  $\beta$ -, and  $\gamma$ -catenin (plakoglobin). E-cadherin is important in the maintenance of the epithelial integrity, and is involved in mechanisms regulating proliferation, differentiation, and survival of epithelial cell. E-cadherin may also play a role in tumorigenesis. It is considered to be an invasion suppressor protein and its loss is an indicator of high tumor aggressiveness.

## Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

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

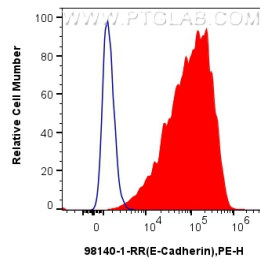
T: 4006900926

E: Proteintech-CN@ptglab.com

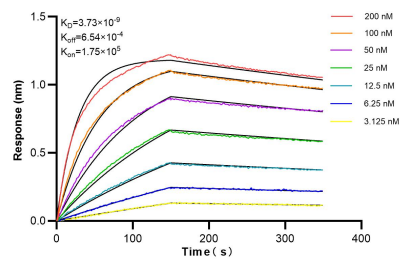
W: ptgcn.com

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## Selected Validation Data



$1 \times 10^6$  MDCK cells were surface stained with 0.25  $\mu$ g Anti-Mouse CD324 (E-cadherin) Rabbit Recombinant Antibody (98140-1-RR, Clone:241282C1) (red) or Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98140-1-RR against Mouse CD324 (E-cadherin) were performed. The affinity constant is 3.73 nM.