For Research Use Only

Anti-Human CD324 (E-cadherin) Rabbit Recombinant Antibody

Catalog Number:98030-1-RR

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Basic Information

Catalog Number:
98030-1-RR

Size:
100ug, 1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14973

GenBank Accession Number:
BC141838

GeneID (NCBI):
999

UNIPROT ID:
P12830

Full Name:
cadherin 1, type 1, E-cadherin (epithelial)

Calculated MW:
882 aa, 97 kDa

Purification Method:
Protein A purfication

CloneNo.:
240159G8

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. 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-, α -, β -, and γ -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.

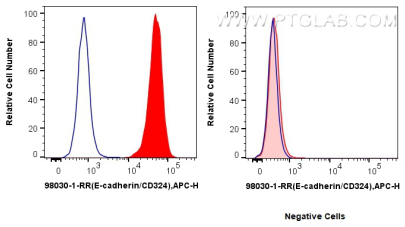
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

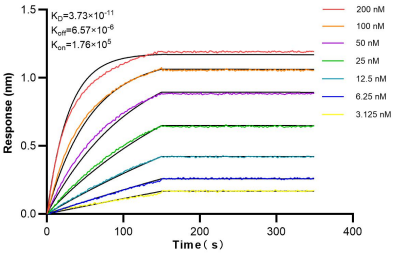
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 MCF-7 cells (left) or Jurkat cells (right) were surface stained with 0.25 ug Anti-Human CD324 (E-cadherin) Rabbit Recombinant Antibody (98030-1-RR, Clone: 240159G8) (red) or Isotype Control (blue), and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98030-1-RR against Human E-cadherin were performed. The affinity constant is 37.3 pM.