

For Research Use Only

# FcZero-rAb™ APC Anti-Human CD324 (E-cadherin) Rabbit Recombinant Antibody

Catalog Number: APC-FcA98030



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>APC-FcA98030      | <b>GenBank Accession Number:</b><br>BC141838                     | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100 tests, 5 ul/test        | <b>GeneID (NCBI):</b><br>999                                     | <b>CloneNo.:</b><br>240159G8                                      |
| <b>Source:</b><br>Rabbit                    | <b>Full Name:</b><br>cadherin 1, type 1, E-cadherin (epithelial) | <b>Excitation/Emission maxima wavelengths:</b><br>650 nm / 660 nm |
| <b>Isotype:</b><br>IgG                      | <b>Calculated MW:</b><br>882 aa, 97 kDa                          |   |
| <b>Immunogen Catalog Number:</b><br>AG14973 |  |   |

## 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-,  $\alpha$ -,  $\beta$ -, 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

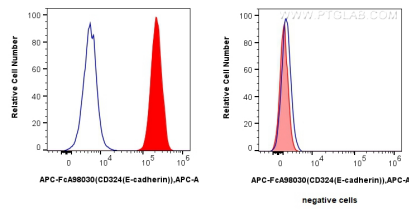
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA.

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<sup>6</sup> MCF-7 cells (left) or Jurkat cells (right) were surface stained with 5 ul APC Anti-Human CD324 (E-cadherin) Rabbit Recombinant Antibody (APC-FcA98030, Clone: 240159G8) (red) or APC Rabbit IgG Isotype Control Recombinant Antibody (APC-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.