

PE Anti-Mouse CD324 (E-cadherin) (DECMA-1)

Catalog Number: **PE-65241**

Basic Information

Catalog Number:

PE-65241

Size:100ug, 200 μ g/ml**Source:**

Rat

Isotype:

IgG1, kappa

GenBank Accession Number:

BC098501

GeneID (NCBI):

12550

UNIPROT ID:

P09803

Full Name:

cadherin 1

Purification Method:

N/A

CloneNo.:

DECMA-1

**Excitation/Emission maxima
wavelengths:**

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

human, 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 CDH1 (cadherin 1) or CAM 120/80, is a classical member of the cadherin superfamily which also include N-, P-, R-, and B-cadherins. It has been regarded as a marker for spermatogonial stem cells in mice (PMID:23509752). 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

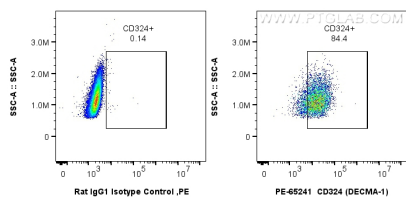
Storage:

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

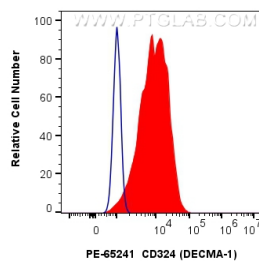
Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data



1x10⁶ MDCK cells were surface stained with 0.2 ug PE Anti-Mouse CD324 (E-cadherin) (DECMA-1) (PE-65241, Clone:DECMA-1), or 0.2 ug PE Rat IgG1 Isotype Control (HRPN) (PE-65212, Clone: HRPN). Cells were not fixed.



1x10⁶ MDCK cells were surface stained with 0.2 ug PE Anti-Mouse CD324 (E-cadherin) (DECMA-1) (PE-65241, Clone:DECMA-1) (red), or 0.2 ug PE Rat IgG1 Isotype Control (HRPN) (PE-65212, Clone: HRPN) (blue). Cells were not fixed.