

For Research Use Only

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



Catalog Number: PE-65241

Basic Information

Catalog Number: PE-65241	GenBank Accession Number: BC098501	Purification Method: N/A
Size: 100ug , 200 µg/ml	GeneID (NCBI): 12550	CloneNo.: DECMA-1
Source: Rat	UNIPROT ID: P09803	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG1, kappa	Full Name: cadherin 1	

Applications

Tested Applications:
FC

Species Specificity:
Canine, Mouse, 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 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

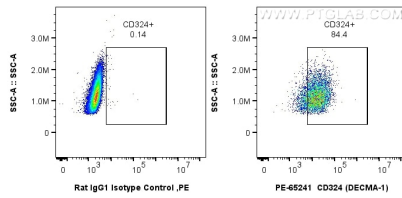
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

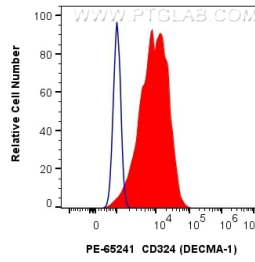
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.