

For Research Use Only

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



Catalog Number: 65241-1-Ig

Basic Information

Catalog Number: 65241-1-Ig	GenBank Accession Number: BC098501	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/mL	GeneID (NCBI): 12550	CloneNo.: DECMA-1
Source: Rat	UNIPROT ID: P09803	Recommended Dilutions: IF 1:625-1:2500
Isotype: IgG1, kappa	Full Name: cadherin 1	

Applications

Tested Applications: FC, IF-P	Positive Controls: IF : mouse colon tissue,
Species Specificity: Mouse, Human, 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. 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:

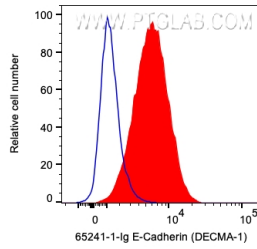
T: 4006900926

E: Proteintech-CN@ptglab.com

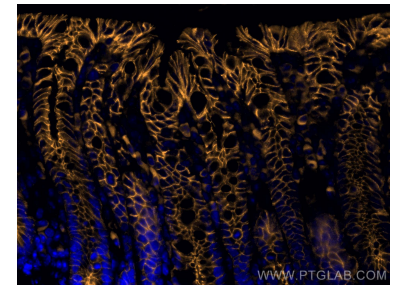
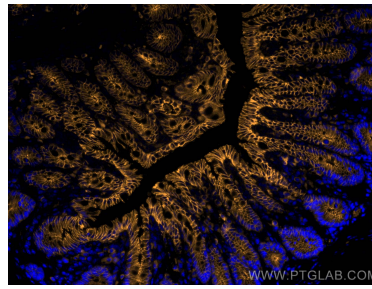
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Selected Validation Data



1×10^6 MDCK cells were surface stained with 0.2 μ g Anti-Mouse CD324 (E-cadherin) (65241-1-Ig, Clone:DECMA-1) and APC-conjugated Goat Anti-Rat IgG at dilution 1:1000. Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CD324 (E-cadherin) antibody (65241-1-Ig, Clone: DECMA-1) at dilution of 1:1250 and Rhodamine (TRITC)-conjugated Goat Anti-Rat IgG(H+L).

Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CD324 (E-cadherin) antibody (65241-1-Ig, Clone: DECMA-1) at dilution of 1:1250 and Rhodamine (TRITC)-conjugated Goat Anti-Rat IgG(H+L).