

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD324 (E-cadherin) (DECMA-1)



Catalog Number: CL647-65241

Basic Information

Catalog Number: CL647-65241	GenBank Accession Number: BC098501	Purification Method: N/A
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12550	CloneNo.: DECMA-1
Source: Rat	Full Name: cadherin 1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1, kappa		

Applications

Tested Applications:
FC

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

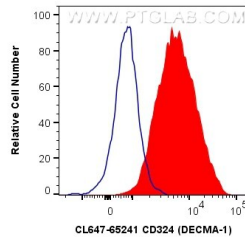
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

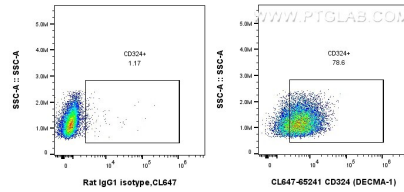
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ MDCK cells were surface stained with 0.5 ug CoraLite® Plus 647 Anti-Mouse CD324 (E-cadherin) (CL647-65241, Clone:DECMA-1) (red), or 0.5 ug CoraLite® Plus 647 Rat IgG1 Isotype Control (HRPN) (CL647-65212, Clone: HRPN) (blue). Cells were not fixed.



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