For Research Use Only

CoraLite® Plus 750 Anti-Mouse CD324 (E-cadherin) (DECMA-1)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL750-65241

Basic Information

Catalog Number:
CL750-65241

Size:
100ug, 0.5 mg/ml

Source:
Rat

Isotype:
IgG1, kappa

GenBank Accession Number:
BC098501

GeneID (NCBI):
12550

UNIPROT ID:
P09803

Full Name:
cadherin 1

Purification Method:
Affinity purification

CloneNo.:
DECMA-1

Excitation/Emission maxima wavelengths:
755 nm / 780 nm

Applications

Tested Applications:
FC

Species Specificity:
Mouse, Human, Canine

Background Information

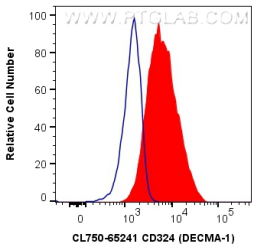
Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. E-cadherin (epithelial cadherin), also known as CDH1 (cadherin 1) or CAM 120/80, is a classical member of the cadherin superfamily 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: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1X10^6 MDCK cells were surface stained with 1 ug CoraLite® Plus 750 Anti-Mouse CD324 (E-cadherin) (CL750-65241, Clone: DECMA-1) (red), or 1 ug Isotype Control. Cells were not fixed.