

For Research Use Only

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

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

Recommended Dilutions:

FC: 1 ug per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

755 nm / 780 nm

Applications

Tested Applications:

FC

Species Specificity:

human, mouse, canine

Positive Controls:

FC : MDCK cells,

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, pH7.3

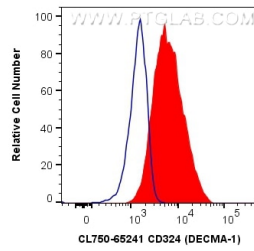
For technical support and original validation data for this product please contact:

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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 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.