

For Research Use Only

CoraLite®594 Anti-Human CD324 (E-cadherin) Rabbit Recombinant Antibody

Catalog Number:CL594-98030-2



Basic Information

| | | |
|---|--|---|
| Catalog Number: CL594-98030-2 | GenBank Accession Number: BC141838 | Purification Method: Protein A purification |
| Size: 100tests, 5 ul/test | GeneID (NCBI): 999 | CloneNo.: 240159B4 |
| Source: Rabbit | UNIPROT ID: P12830 | Excitation/Emission maxima wavelengths: 588 nm / 604 nm |
| Isotype: IgG | Full Name: cadherin 1, type 1, E-cadherin (epithelial) | |
| Immunogen Catalog Number: AG14973 | Calculated MW: 882 aa, 97 kDa | |

Applications

Tested Applications:
FC
Species Specificity:
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 CD324, CDH1 (cadherin 1) or CAM 120/80, is a classical member of the cadherin superfamily which also include N-, P-, R-, and B-cadherins. 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:

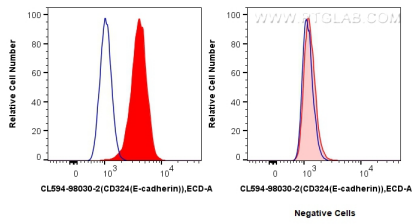
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ HT-29 cells (left) or Jurkat cells (right) were surface stained with 5 μ l CoraLite[®]594 Anti-Human CD324 (E-cadherin) Rabbit Recombinant Antibody (CL594-98030-2, Clone:240159B4) (red), or Isotype Control (blue). Cells were not fixed.