

For Research Use Only

CoraLite® Plus 488 Anti-Mouse E-cadherin Rabbit Recombinant Antibody

Catalog Number: CL488-98140



Basic Information

Catalog Number: CL488-98140	GenBank Accession Number: NM_009864.3	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 12550	CloneNo.: 241282C1
Source: Rabbit	UNIPROT ID: P09803	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: cadherin 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG0975	Calculated MW: 98kDa	

Applications

Tested Applications: FC	Positive Controls: FC : MDCK cells,
Species Specificity: mouse, 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 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.

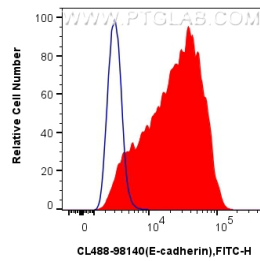
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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



1x10⁶ MDCK cells were surface stained with 0.25 ug Coralite® Plus 488 Anti-Mouse E-cadherin Rabbit RecAb (CL488-98140, Clone: 241282C1) (red) or Coralite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were not fixed.