

For Research Use Only

FcZero-rAb® PE-Cyanine7 Anti-Human E-cadherin Rabbit Recombinant Antibody

Catalog Number: PY7-FcA98030



Basic Information

Catalog Number: PY7-FcA98030	GenBank Accession Number: BC141838	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 999	CloneNo.: 240159G8
Source: Rabbit	UNIPROT ID: P12830	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: cadherin 1, type 1, E-cadherin (epithelial)	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 778 nm
Immunogen Catalog Number: AG14973	Calculated MW: 882 aa, 97 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : MCF-7 cells,
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, pH7.3

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

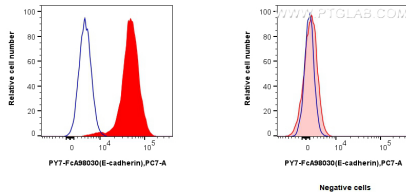
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ MCF-7 cells (left) or Jurkat (right) were surface stained with 5 ul PE-Cyanine7 Anti-Human E-cadherin Rabbit RecAb (PY7-FcA98030, Clone:240159G8)(red), or 5 ul FcZero-rAb@ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9)(blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.