

For Research Use Only

Anti-Mouse E-Cadherin Rabbit Recombinant Antibody

Catalog Number: 98140-1-RR



Basic Information

Catalog Number: 98140-1-RR	GenBank Accession Number: NM_009864.3	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 12550	CloneNo.: 241282C1
Source: Rabbit	UNIPROT ID: P09803	
Isotype: IgG	Full Name: cadherin 1	
	Calculated MW: 98kDa	

Applications

Tested Applications:
FC

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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

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

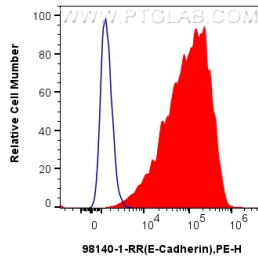
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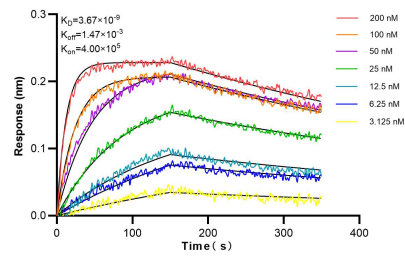
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Selected Validation Data



1×10^6 MDCK cells were surface stained with 0.25 μ g Anti-Mouse E-Cadherin Rabbit Recombinant Antibody (98140-1-RR, Clone:241282C1) (red) or Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98140-1-RR against Mouse E-Cadherin were performed. The affinity constant is 3.67 nM.