

E-cadherin Monoclonal Antibody (6F9)

Catalog NumberMA1-34228

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Human
Class	Monoclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Frozen) (IHC (F))	1:10-1:40
Clone	6F9	Western Blot (WB)	Assay-dependent
Immunogen	Human E-cadherin	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Storage Conditions	4° C		

Product specific information

MA1-34228 detects e-Cadherin from human samples. MA1-34228 has been successfully used in immunohistochemistry (frozen tissue), and Western blot applications. Not suitable for Immunohistochemistry (paraffin) applications. The MA1-34228 immunogen is human E-cadherin. Store at 4°C short term. For extended storage aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

Background/Target Information

E-Cadherin (epithelial cadherin) is a classical cadherin from the cadherin (alcium dependent adhesion protein) superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. E-cadherin plays a central role in the growth and development of cells by controlling tissue architecture, and maintenance of tissue integrity. In humans, E-cadherin is encoded by the CDH1 gene present on chromosome 16. Studies have demonstrated that reduction and/or loss of E-cadherin expression in carcinomas correlates positively with the potential of these tumors for invasion and metastasis.

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