Website: thermofisher.com
Customer Service (US): 1 800 955 6288 ext. 1
Technical Support (US): 1 800 955 6288 ext. 441
thermofisher.com/contactus

Performance guaranteed

E-cadherin Monoclonal Antibody (6F9)

Catalog Number **MA1-34228**

Product data sheet

Details	
Size	500 µL
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	6F9
Immunogen	Human E-cadherin
Conjugate	Unconjugated
Form	Liquid
Storage Conditions	4° C

Species Reactivity	
Species reactivity	Human
Published species	Human

Tested Applications	Dilution *
Immunohistochemistry (Frozen) (IHC (F))	1:10-1:40
Western Blot (WB)	Assay-dependent

* 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.

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.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.