

Product datasheet for **TA399835**

CDH1 Mouse Monoclonal Antibody [Clone ID: 19A11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	19A11
Applications:	ELISA, FC, WB
Reactivity:	Human, Dog
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing mice with purified ECad1-5 protein.
Specificity:	<p>This antibody recognizes the N-terminal extracellular cadherin repeat domain 1 (EC1) of the human E-cadherin. This antibody also cross reacts with canine E-cadherin. Cadherins are calcium-dependent cell adhesion proteins. It is localized on the surfaces of epithelial cells in regions of cell-cell contact known as adherens junctions. E-cadherins are reported to play an important role in cancer metastasis.</p> <p>The initial screening of E-Cadherin-positive hybridoma supernatants for binding to live Colo 205 cells was done using an ELISA. Activating antibody 19A11 stimulated the adhesion of Colo 205 cells to pure E-cadherin substrate (PMID: 22513089). This antibody is also capable of recognizing denature human E-cadherin in a western blot. This antibody also inhibited the formation of epithelial tubules, causing the cells to remain as round epithelial cysts. This antibody also enhanced the adhesion of HGF-treated MDCK cells to E-cadherin when analyzed with the flow adhesion assay (PMID: 22513089). This antibody slowed the rate of wound closure in both normal culture medium and HGF-treated cultures (PMID: 22513089). This antibody is an E-cadherin activating antibody which stimulates the apoptosis of circulating tumor cells (PMID: 32127478). This antibody was used in determination of expression of E-cadherin on low-adherent Colo205 cells using flow cytometry (PMID: 27582386).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



[View online »](#)

Database Link: [P12830](#)

Synonyms: Cadherin-1; Cadherin E; CAM 120/80; CD324; E-Cadherin; epithelial cadherin; Uvomorulin