

## Mouse Monoclonal Antibody to CDH1

<b>Catalogue Number</b>	sAP-0473
<b>Target Molecule</b>	<b>Name:</b> CDH1 <b>Aliases:</b> UVO; CDHE; ECAD; LCAM; Arc-1; CD324; CDH1 <b>MW:</b> 135kDa <b>Entrez Gene ID:</b> 999
<b>Description</b>	E-Cadherin is a 120 kDa transmembrane glycoprotein that is localized in the adherens junctions of epithelial cells. There, it interacts with the cytoskeleton through the associated cytoplasmic catenin proteins. In addition to being a calcium-dependent adhesion molecule, E-Cadherin is also a critical regulator of epithelial junction formation. Its association with catenins is necessary for cell-cell adhesion. These E-cadherin/catenin complexes associate with cortical actin bundles at both the zonula adherens and the lateral adhesion plaques. Tyrosine phosphorylation can disrupt these complexes, leading to changes in cell adhesion properties. E-Cadherin expression is often down-regulated in highly invasive, poorly differentiated carcinomas. Increased expression of E-Cadherin in these cells reduces invasiveness. Thus, loss of expression or
<b>Immunogen</b>	Purified recombinant fragment of human CDH1 expressed in E. Coli.
<b>Recitative Species</b>	Human; Mouse; Monkey
<b>Clone</b>	MM7H12;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Nat Genet. 2009 Dec;41(12):1330-4. ; 2. Zhonghua Zhong Liu Za Zhi. 2009 Jul;31(7):515-9. ; 3. J Biol Chem. 2010 Feb 26;285(9):6658-69.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**