

E-Cadherin Conjugated Antibody

Catalog No: #C48355



Package Size: #C48355-AF350 100ul #C48355-AF405 100ul #C48355-AF488 100ul

#C48355-AF555 100ul #C48355-AF594 100ul #C48355-AF647 100ul

#C48355-AF680 100ul #C48355-AF750 100ul #C48355-Biotin 100ul

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Description

Product Name	E-Cadherin Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu,Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Arc 1 antibody CADH1_HUMAN antibody Cadherin 1 antibody cadherin 1 type 1 E-cadherin antibody Cadherin1 antibody CAM 120/80 antibody CD 324 antibody CD324 antibody CD324 antigen antibody cdh1 antibody CDHE antibody E-Cad/CTF3 antibody E-cadherin antibody ECAD antibody Epithelial cadherin antibody epithelial calcium dependant adhesion protein antibody LCAM antibody Liver cell adhesion molecule antibody UVO antibody Uvomorulin antibody
Accession No.	Swiss-Prot#:P09803
Uniprot	P09803
GeneID	12550;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	130 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

E-cadherin (epithelial) is the most well-studied member of the cadherin family. It consists of 5 cadherin repeats (EC1 ~ EC5) in the extracellular domain, one transmembrane domain, and an intracellular domain that binds p120-catenin and beta-catenin. The intracellular domain contains a highly-phosphorylated region vital to beta-catenin binding and, therefore, to E-cadherin function. Loss of E-cadherin function or expression has been implicated in cancer progression and metastasis. E-cadherin downregulation decreases the strength of cellular adhesion within a tissue, resulting in an increase in cellular motility. This in turn may allow cancer cells to cross the basement membrane and invade surrounding tissues. E-cadherin is also used by pathologists to diagnose different kinds of breast cancer.

Note: This product is for in vitro research use only