

CDH18 Antibody FITC Conjugated

Catalog No: #C00931F

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Description

Product Name	CDH18 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	,Flow-Cyt,ICC,IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human CDH18
Conjugates	FITC
Target Name	CDH18
Other Names	CAD18_HUMAN; Cadherin 14; Cadherin14; Cadherin 18; Cadherin18; Cadherin 18, type 2; Cadherin-14; Cadherin-18; CDH14; CDH14L; CDH18; CDH24; EY CADHERIN.
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200 ICC=1:50-200 IF=1:50-200

Background

The cadherins are a family of Ca²⁺-dependent adhesion molecules that function to mediate cell-cell binding events that are critical to the maintenance of cell structure and morphogenesis. EY-cadherin, also known as CDH18 (cadherin 18), CDH14 (cadherin 14), CDH24 or CDH14L, is a 790 amino acid single-pass type I membrane protein that contains five cadherin domains. One of several members of the cadherin superfamily, EY-cadherin functions as a type II classical cadherin that is expressed specifically in the central nervous system (CNS), where it plays a role in cell-cell binding events. Specifically, EY-cadherin is thought to be involved in axon guidance and outgrowth, as well as synaptic adhesion within the CNS. EY-cadherin contains a highly conserved C-terminal domain characteristic of all cadherins, but lacks the HAV cell adhesion sequence that is specific to type I cadherins. The gene encoding EY-cadherin is located within a region on chromosome five that is commonly deleted in carcinomas, implicating EY-cadherin as a potential tumor suppressor.

Note: This product is for in vitro research use only