VE-Cadherin (Phospho-Tyr731) Conjugated Antibody

Catalog No: #C11950

Package Size: #C11950-AF350 100ul #C11950-AF405 100ul #C11950-AF488 100ul #C11950-AF555 100ul #C11950-AF594 100ul #C11950-AF647 100ul #C11950-AF680 100ul #C11950-AF750 100ul #C11950-Biotin 100ul

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Description

Product Name	VE-Cadherin (Phospho-Tyr731) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of VE-Cadherin only when phosphorylated at tyrosine 731.
Immunogen Description	Peptide sequence around phosphorylation site of Tyrosine731 (H-I-Y(p)-G-Y) derived from Human VE-Cadherin.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Vascular endothelial cadherin;VE-cadherin;7B4 antigen;CDH5;CD144 antigen
Accession No.	Swiss-Prot#:P33151NCBI Gene ID:1003NCBI mRNA#:NM_001795.3NCBI Protein#: NP_001786.2
Uniprot	P33151
GeneID	1003;
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
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin 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

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton. Acts in concert with KRIT1 to establish and maintain correct endothelial cell polarity and vascular lumen.

Note: This product is for in vitro research use only