

PECAM-1 (Phospho-Tyr713) Conjugated Antibody

Catalog No: #C11995



Package Size: #C11995-AF350 100ul #C11995-AF405 100ul #C11995-AF488 100ul
 #C11995-AF555 100ul #C11995-AF594 100ul #C11995-AF647 100ul
 #C11995-AF680 100ul #C11995-AF750 100ul #C11995-Biotin 100ul

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Description

Product Name	PECAM-1 (Phospho-Tyr713) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB;IHC;IF
Species Reactivity	Human;Mouse
Specificity	Phospho-CD31 (Y713) Polyclonal Antibody detects endogenous levels of CD31 protein only when phosphorylated at Y713.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human PECAM-1 around the phosphorylation site of Tyr713.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CD31;CD31 antigen;EndoCAM;PEC1;PECAM
Accession No.	Swiss-Prot#:P16284NCBI Gene ID:5175NCBI mRNA#:NM_000442.4NCBI Protein#: NP_000433.4
Uniprot	P16284
GeneID	5175;
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	150kD
Formulation	0.5oO BSA,40% glycerol and 0.02% sodium azide.
Storage	Store at 4°Cin dark for 6 months

Application Details

WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000.

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 chromatography using non-phosphopeptide.

Background

Induces susceptibility to atherosclerosis By similarity. Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte).

Note: This product is for in vitro research use only