

Immunotag™ Phospho-PECAM-1 (Tyr713) Antibody

Antibody Specification	
Catalog No.	ITA0962
Product Description	Immunotag™ Phospho-PECAM-1 (Tyr713) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-PECAM-1 (Tyr713)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PECAM-1 around the phosphorylation site of Tyrosine 713
Specificity	Phospho-PECAM-1 (Tyr713) Antibody detects endogenous levels of PECAM-1 only when phosphorylated at Tyrosine 713
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PECAM1
Accession No.	P16284

Antibody Specification

Alternate Names	Adhesion molecule; CD31; CD31 antigen; CD31 EndoCAM; EndoCAM; FLJ34100; FLJ58394; GPIIA; GPIIA'; PECA1; PECA1_HUMAN; Pecam 1; PECAM 1 CD31 EndoCAM; PECAM; PECAM-1; Pecam1; Platelet and endothelial cell adhesion molecule 1; Platelet endothelial cell adhesion molecule; Platelet/endothelial cell adhesion molecule 1;
Description	Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions (PubMed:19342684, PubMed:17580308). 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 (PubMed:19342684). Trans-homophilic interaction may play a role in endothelial cell-cell adhesion via cell junctions (PubMed:27958302). Heterophilic interaction with CD177 plays a role in transendothelial migration of neutrophils (PubMed:17580308). Homophilic ligation of PECAM1 prevents macrophage-mediated phagocytosis of neighboring viable leukocytes by transmitting a detachment signal (PubMed:12110892). Promotes macrophage-mediated phagocytosis of apoptotic leukocytes by tethering them to the phagocytic cells; PECAM1-mediated detachment signal appears to be disabled in apoptotic leukocytes (PubMed:12110892). Modulates bradykinin receptor BDKRB2 activation (PubMed:18672896). Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in endothelial cells (PubMed:18672896). Induces susceptibility to atherosclerosis (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	82/150kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.