

Product datasheet for **AP55942PU-S**

CD31 (PECAM1) pTyr713 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of Tyrosine 713(T-V-Y(p)-S-E) derived from Human PECAM-1 (KLH-conjugated)
Specificity:	The antibody detects endogenous level of PECAM-1 only when phosphorylated at tyrosine 713.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	platelet and endothelial cell adhesion molecule 1
Database Link:	Entrez Gene 5175 Human P16284



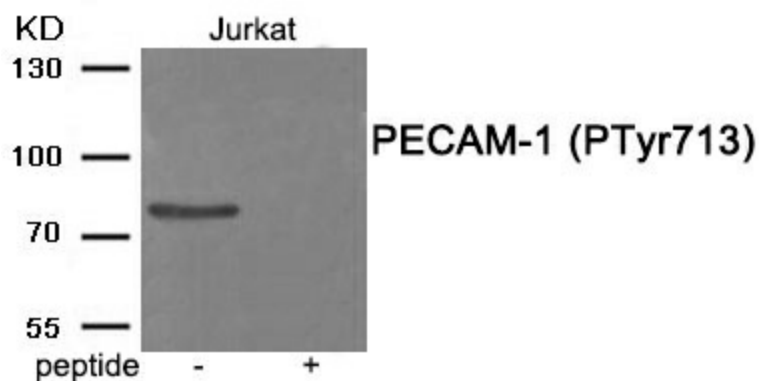
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Background:

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.

Synonyms:

PECAM-1, EndoCAM, GPIIA'

Product images:


Western blot analysis of extracts from Jurkat tissue using PECAM-1 (Phospho-Tyr713) Antibody. The lane on the right is treated with the antigen-specific peptide.