

PE-04AEZ99-P

PECAM1 (710-716) pY713 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PECAM-1



KINEXUS

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Target Protein

Name Long:	Platelet endothelial cell adhesion molecule
Name Alias:	Adhesion molecule; CD31; CD31 antigen; CD31/EndoCAM; EndoCAM; FLJ58394; GPIIA'; PECA1; PECAM-1; PECAM-1, CD31/EndoCAM; PECAM1; Platelet endothelial cell adhesion molecule; platelet/endothelial cell adhesion molecule
Species Origin:	Human
UniProt ID:	P16284

Peptide Structure

Peptide Name:	PECAM1 (710-716) pY713
Peptide Origin:	In the C-terminal region of the protein after the transmembrane domain. This is the major in vivo phosphorylation site in PECAM-1.
Peptide Sequence Location:	E710-V716
Peptide Sequence:	ETV(pY)SEV(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1079.1
Observed Peptide Mass:	1079.4
% Peptide Purity:	99.7
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAU-31
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the PECAM-1-pY713 rabbit polyclonal antibody (Cat. No.: PN523) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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