

Product datasheet for **SM2146F**

PECAM1 Mouse Monoclonal Antibody [Clone ID: LCI-4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LCI-4
Applications:	FC
Recommended Dilution:	Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 100µl of lysed whole blood or 10e6 cells in 100µl.
Reactivity:	Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Porcine CD31/human IgGfc fusion protein
Specificity:	This antibody recognises CD31, a 140kD cell surface protein also called PECAM-1, expressed by various cell types, but particularly by endothelial cells. Clone LCI-4 has been shown to stimulate tyrosine phosphorylation of CD31 on endothelial cells.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Database Link:	Q95242



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Background:

CD31, also known as platelet endothelial cell adhesion molecule 1 (PECAM1), is a type I integral membrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is constitutively expressed on the surface of endothelial cells, and concentrated at the junction between them. It is also weakly expressed on many peripheral lymphoid cells and platelets.

CD31 has been used to measure angiogenesis in association with tumor recurrence. Other studies have also indicated that CD31 and CD34 can be used as markers for myeloid progenitor cells and recognize different subsets of myeloid leukemia infiltrates (granular sarcomas).

Synonyms:

PECAM-1, EndoCAM, GPIIA'