

## Product datasheet for **DM3514P**

### CD31 (PECAM1) Mouse Monoclonal Antibody [Clone ID: 158-2B3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	158-2B3
Applications:	FC, IF, IHC
Recommended Dilution:	<b>Flow Cytometry.</b> <b>Immunofluorescence.</b> <b>Immunohistochemistry on Aceton-Fixed Frozen Sections.</b> <b>Does not work in Western blot.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Stimulated Human leukocytes
Specificity:	This CD31 Antibody Cat.-No DM3514P (Clone 158-2B3) reacts with endothelial cells in normal tissues and in benign and malignant proliferations. In cryostat sections and blood smears the antibody also stains megakaryocytes, platelets and occasionally plasma cells. It reacts weakly with mantle zone B cells, peripheral T cells, and neutrophils. Antibody to CD31 is of value in the study of benign and malignant vascular tumors. Staining for CD31 has also been used to measure angiogenesis, which reportedly predicts tumor recurrence.
Formulation:	10 mM PBS pH 7.4 State: Purified State: Lyophilized purified IgG fraction from Ascites Stabilizer: None
Reconstitution Method:	Restore in sterile water to a concentration of 1.0 mg/ml.
Purification:	Protein G Chromatography
Conjugation:	Unconjugated



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<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	platelet and endothelial cell adhesion molecule 1
<b>Database Link:</b>	<a href="#">Entrez Gene 5175 Human P16284</a>
<b>Background:</b>	<p>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.</p> <p>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).</p>
<b>Synonyms:</b>	PECAM-1, EndoCAM, GPIIA'