

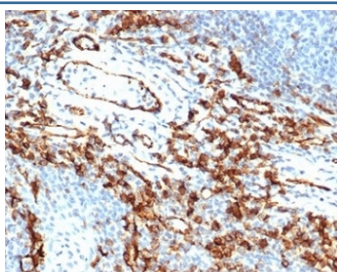
CD31 Antibody / PECAM-1 [clone rPECAM1/6439] (V8788)

Catalog No.	Formulation	Size
V8788-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8788-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8788SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

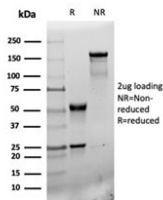
Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rPECAM1/6439
Purity	Protein A/G affinity
UniProt	P16284
Localization	Cell surface and cytoplasm of endothelial cells
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CD31 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with CD31 antibody (clone rPECAM1/6439).
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD31 antibody (rPECAM1/6439) as confirmation of integrity and purity.

Description

CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. CD31 MAb reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.

Application Notes

Optimal dilution of the CD31 antibody should be determined by the researcher.

Immunogen

Full length recombinant human CD31 protein was used as the immunogen for the CD31 antibody.

Storage

Aliquot the CD31 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.