

Mouse Monoclonal Antibody to CD31

Catalogue Number	sAP-0104
Target Molecule	<p>Name: CD31</p> <p>Aliases: CD31; PECAM-1; PECAM1</p> <p>MW: N/A</p> <p>Entrez Gene ID: 5175</p>
Description	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. The antibody reacts with the murine form of the Platelet-Endothelial Cell Adhesion Molecule. The reactivity of the antibody is restricted to the isoform of the molecule that is selectively expressed by endothelial cells. The antigen is predominantly present at the lateral borders of endothelial cells as described for human PECAM-1. 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
Immunogen	Purified recombinant fragment of human CD31 expressed in E. Coli.
Reactive Species	Human
Clone	MM2F7B2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Mayr U et al. Circ Res 98:412-20 (2006). ; 2. Bingle L et al. Br J Cancer 94:101-7 (2006). ; 3. Wynne F et al. Reproduction 131:721-32 (2006). ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**