

Product datasheet for **AM32180SU-N**

Endothelial Cells Mouse Monoclonal Antibody [Clone ID: Pal-E]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Pal-E
Applications:	IF, IHC
Recommended Dilution:	Immunohistochemistry on Acetone Fixed Frozen Sections: Use at 1/100, preferably in PBS. Not Suitable for cell suspensions and Western blotting.
Reactivity:	Canine, Goat, Human, Porcine, Rabbit
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human melanoma tissue.
Specificity:	The antibody only stains Human and various animal (Goat, Rabbit, Pig, Dog) blood vessels with exception of arteries. It does not stain Rat, Mouse and Chicken Endothelium.
Formulation:	State: Supernatant State: Undiluted Supernatant Preservative: 10 mM Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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Background:

The endothelium is located at the interface between the blood and the vessel wall. The cells are in close contact and form a slick layer that prevents blood cell interaction with the vessel wall as blood moves through the vessel lumen. The endothelium consists of simple squamous epithelium that lines the lumen of all blood vessels. It plays a critical role in the mechanics of blood flow, the regulation of coagulation, leukocyte adhesion, and vascular smooth muscle cell growth, and also serves as a barrier to the transvascular diffusion of liquids and solutes. For years the endothelium was thought of as an inert single layer of cells that passively allow the passage of water and other small molecules across the vessel wall. However, this dynamic tissue performs many other active functions, such as the secretion and modification of vasoactive substances and the contraction and relaxation of vascular smooth muscle.

Synonyms:

Endothelial Cell marker