

36-1550: Monoclonal Antibody to CD31 / PECAM-1 (Endothelial Cell Marker)(Clone : 1A10)

Clonality :	Monoclonal
Clone Name :	1A10
Application :	WB,IHC
Reactivity :	Human
Gene :	PECAM1
Gene ID :	5175
Uniprot ID :	P16284
Format :	T.C. Sup.
Alternative Name :	PECAM1
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Prokaryotic recombinant fusion protein corresponding to a portion of the extracellular domain downstream of the signal sequence of the CD31 (PECAM-1)

Description

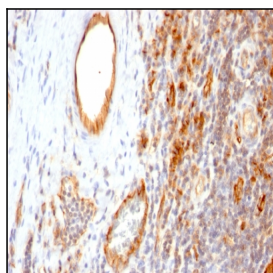
CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. 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.

Product Info

Amount :	0.5 ml
Content :	Tissue culture supernatant with 0.05% Azide.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western Blot (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1:50-1:100 for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)



Formalin-fixed, paraffin-embedded human Tonsil stained with CD31 Monoclonal Antibody (1A10)