

Anti-CD31 Antibody [PECAM1/3534] (A277740)

Specifications:

Name:	Anti-CD31 Antibody [PECAM1/3534]
Description:	Mouse monoclonal [PECAM1/3534] antibody to CD31.
Specificity:	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.
Applications:	Flow Cytometry, IF, WB, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 625-738, of human CD31 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PECAM1/3534
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

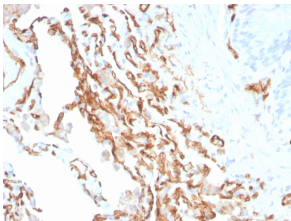
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Specifications continued:

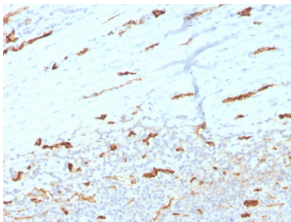
General Notes: This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD31 Antibody [PECAM1/3534] - BSA and Azide free (A278328).

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

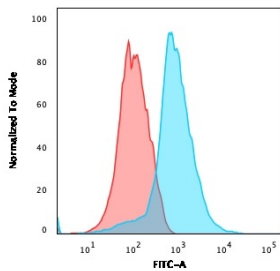
Images:



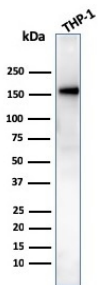
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon tissue using Anti-CD31 Antibody [PECAM1/3534].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue using Anti-CD31 Antibody [PECAM1/3534].



Flow cytometric analysis of Jurkat cells using Anti-CD31 Antibody [PECAM1/3534] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



Western blot analysis of human THP-1 cell lysate using Anti-CD31 Antibody [PECAM1/3534].