

**Product Name: CD31 Mouse Monoclonal Antibody****Catalog #: AMM85060**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100
<b>Molecular Weight</b>	Calculated MW: 83 kDa; Observed MW: 130 kDa

**Antigen Information**

<b>Gene Name</b>	CD31
<b>Alternative Names</b>	Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; GPIIA'; PECA1; CD antigen CD31
<b>Gene ID</b>	5175.0
<b>SwissProt ID</b>	P16284
<b>Immunogen</b>	Purified recombinant human CD31 protein fragments expressed in E.coli.

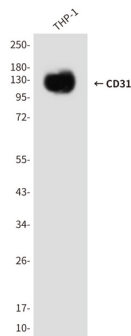
**Background**

PECAM-1 a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions. Plays a role in modulation of integrin-mediated cell adhesion, transendothelial migration, angiogenesis, apoptosis, cell migration, negative

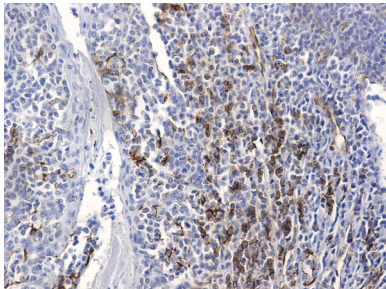
regulation of immune cell signaling, autoimmunity, macrophage phagocytosis, IgE-mediated anaphylaxis and thrombosis. Undergoes alternative splicing, generating multiple isoforms in vascular beds of various tissues.

## Research Area

## Image Data



Western blot analysis of CD31 in THP-1 lysates using CD31 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsils using CD31/PECAM1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.