

MABN03670 **CD31 Mouse Monoclonal Antibody**

Size: 100 ug

Concentration: 1mg/ml

Clone: 5E2

Source: Mouse

Isotype: IgG1

Purification: Affinity purification

Cross-Reactivity: Human

Synonyms: Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; GPIIA'; PECA1; CD antigen CD31.

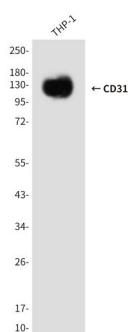
Background: PECAM-1 a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions. Plays a role in modulation of integrin-mediated cell adhesion, transendothelial migration, angiogenesis, apoptosis, cell migration, negative regulation of immune cell signaling, autoimmunity, macrophage phagocytosis, IgE-mediated anaphylaxis and thrombosis. Undergoes alternative splicing, generating multiple isoforms in vascular beds of various tissues.

Molecular Weight: 130 kDa

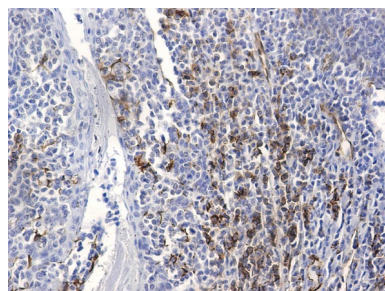
Applications: **Western Blot:** 1:500 - 1:1000
Immunohistochemistry: 1:50 - 1:100

Buffer: Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.

Storage: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



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



Immunohistochemistry analysis of paraffin-embedded Human tonsils using CD31/PECAM1 (5E2) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Antibody retrieval protocol for Immunohistochemistry (paraffin-embedded tissues):

Antigen retrieval solution: EDTA, pH 9.0;

2 optional retrieval methods:

- ① Heat retrieval for 20-30 minutes;
- ② High-pressure retrieval, 2-3 minutes after steam generation.

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