BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CD31 Rabbit Monoclonal Antibody

Catalog Number: M01513-7

About PECAM1

CD31 also known as Platelet endothelial cell adhesion molecule (PECAM-1), is a protein that in human is encoded by the PECAM1 gene. Encoded protein is a member of the immunoglobulin superfamily, CD31 is mapped to 17q23.3. CD31 is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. It is demonstrated that CD31 expression on human PBSCs may positively affect both neutrophil and platelet engraftment. Meanwhile, CD31 is involved in leukocyte migration and angiogenesis, which are key components of venous thrombus resolution.

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Overview

Product Name	Anti-CD31 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	This Recombinant Rabbit Monoclonal Antibody detects endogenous levels of CD31 protein. Validated for research with WB,IHC,IF,IP,ELISA applications. Anti CD31 is reactive for Human, Mouse, Rat samples
Application	ELISA, IP, IF, IHC, WB
Clonality	Monoclonal
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% stabilizing protein This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C/1 year
Host	Rabbit
Uniprot ID	P16284

Technical Details

Isotype	IgG, Kappa

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Purification	Protein A
Suggested Dilutions	IHC 1:1000-1:2000 WB 1:1000-1:5000 IF 1:200-1:1000 ELISA 1:5000-1:20000 IP 1:50-1:200

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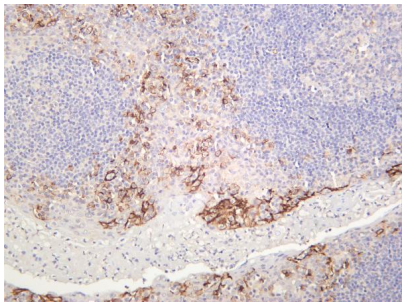
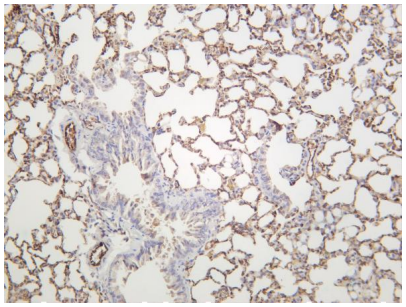
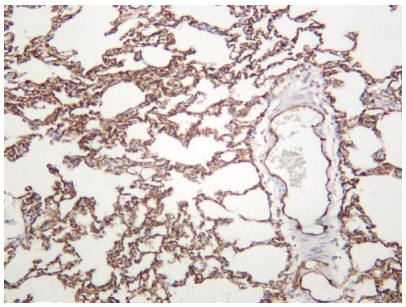
Anti-CD31 Rabbit Monoclonal Antibody (M01513-7) Images



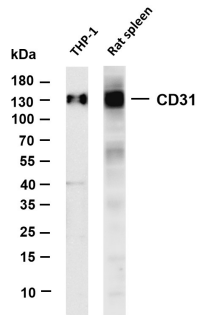
Human tonsil was stained with anti-CD31 rabbit antibody



Mouse lung was stained with anti-CD31 rabbit antibody



Rat lung was stained with anti-CD31 rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD31 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: THP-1 Lane 2: Rat spleen Predicted band size: 81kDa Observed band size: 130kDa

For Research Use Only. Not for use in diagnostic procedures.