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Anti-CD31 Rabbit mAb [55C37]

Catalog No.: A52055

Basic Information

Catalog No. (Cat.No.)	A52055
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Synonyms	CD31,PECAM,platelet endothelial cell adhesion molecule

Product Information

Target	CD31
Molecular Weight(Calculated)	83 kDa
Molecular Weight(Observed)	130 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	55C37
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Platelet-endothelial cell adhesion molecule-1
Gene Name	*PECAM1*
Domain	NA
Background	CD31 (Platelet endothelial cell adhesion molecule-1, PECAM-1) belongs to the immunoglobulin superfamily. It functions in cell-cell adhesion, leukocyte transendothelial migration and vascular homeostasis regulation. CD31 is highly expressed on vascular endothelial cells and platelets, and is also present in some leukocyte subsets. It mediates the formation of tight junctions between endothelial cells via homotypic interactions. Under inflammatory conditions, CD31 mediates leukocyte infiltration and migration across the vascular endothelial barrier to inflammatory sites, participating in angiogenesis and maintenance of vascular barrier integrity. As a classic endothelial cell marker, CD31 is widely used to identify vascular structures and assess tissue vascular density. In tumor research, it is applied to analyze tumor neovascularization, and also used in inflammatory injury models and studies of cardiovascular pathological mechanisms, compatible with multiple immunoassay techniques.