





## CD31 Monoclonal Antibody

Catalog No	BYmab-16944
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	PECAM1
Protein Name	Platelet endothelial cell adhesion molecule
Immunogen	The antiserum was produced against synthesized peptide derived from human PECAM-1. AA range:686-735
Specificity	CD31 Monoclonal Antibody detects endogenous levels of CD31 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PECAM1; Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; GPIIA'; PECA1; CD antigen CD31
Observed Band	85-130kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell surface expression on neutrophils is down-regulated upon fMLP or CXCL8/IL8-mediated stimulation.

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**Tissue Specificity** 

Expressed on platelets and leukocytes and is primarily concentrated at the borders between endothelial cells (PubMed:18388311, PubMed:21464369).

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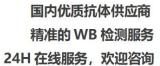
	cells (HUVECs), Jurkat T-cell leukemia, human erythroleuk
Function	function:This protein is a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions.,online information:CD31 entry,online information:PECAM-1,online information:The Singapore human mutation and
Background	The protein encoded by this gene is found on the surface of platelets,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For





Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti mouse IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.
Li, Yaming, et al. "Huaier extract suppresses breast cancer via regulating tumor-associated macrophages." Scientific reports6 (2016): 20049.
Wang, Lijuan, et al. "Establishment and evaluation of the VX2 orthotopic lung cancer mouse model: a ultra-minimal invasive percutaneous puncture inoculation method." The Korean Journal of Physiology & Pharmacology 22.3 (2018): 291-300.
Western blot analysis of lysates from 1) HepG2, 2) K562,3) L929,4) MOUSE-BRAIN cells, (Green) primary antibody was diluted at 1:1000, 4°over night, secondary antibody(cat:RS23920)was diluted at 1:10000, 37° 1hour. (Red) Actin $\beta$ Monoclonal Antibody(5B7) (cat:YM3028) antibody was diluted at 1:5000 as loading control, 4° over night, secondary antibody(cat:RS23710)was diluted at 1:10000, 37° 1hour.
Western Blot analysis of various cells using CD31 Monoclonal Antibody diluted at 1:1000

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