

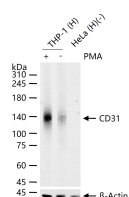
bsm-52428R**[Primary Antibody]****CD31 Recombinant Rabbit mAb****Bioss**
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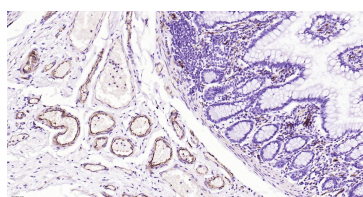
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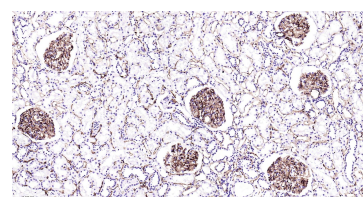
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 6A1**GeneID:** 5175**SWISS:** P16284**Target:** CD31**Immunogen:** A synthesized peptide derived from human PECAM 1: 150-200.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** The protein encoded by this gene 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. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation. [provided by RefSeq, May 2010]**Applications:** WB (1:500-2000)**IHC-P** (1:200-500)**IHC-F** (1:200-500)**IF** (1:200-500)**Flow-Cyt** (1:50-100)**ICC/IF** (1:50-200)**Reactivity:** Human**Predicted MW.:** 82 kDa**Observed MW.:** 130-140 kDa**Subcellular Location:** Membrane ,Cell junction ,Cell membrane**— VALIDATION IMAGES —**

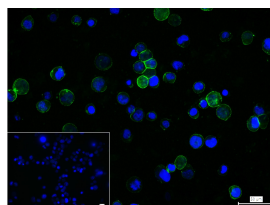
THP-1 (H) + PMA (100nM) for 48 h, 25 µg total protein per lane of cell lysates (see on figure) probed with CD31 monoclonal antibody, unconjugated (bsm-52428R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



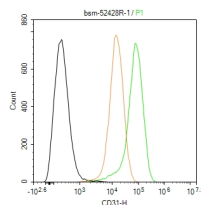
Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD31 Monoclonal Antibody, Unconjugated (bsm-52428R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD31 Monoclonal Antibody, Unconjugated (bsm-52428R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed THP-1 (H) cell; Antibody incubation with (CD31) monoclonal Antibody, unconjugated (bsm-52428R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The THP-1 (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.) , followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-CD31 antibody (bsm-52428R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=13.2]** Chaoyi Lyu. et al. Plasmon-enhanced schottky nanoscaffolds for phototherapy and catalytic treatment of multidrug-resistant bacterial infections. CHEM ENG J. 2025 May IHC ;Mouse. 10.1016/j.cej.2025.163581
- **[IF=6.1]** Hao Wu. et al. Nattokinase Promotes Post-stroke Neurogenesis and Cognition Recovery via Increasing Circulating Irisin. J AGR FOOD CHEM. 2023;XXXX(XXX):XXX-XXX IF ;Rat. 37466380
- **[IF=5.4]** Ying Gao. et al. Xue-Jie-San alleviates Crohn's disease through suppressing endothelial cell pyroptosis via the TLR4/NF-κB/NLRP3 pathway. J ETHNOPHARMACOL. 2026 Jul;366:121648 IF ;Rat. 41936260
- **[IF=1.7]** Yu Xiaolong. et al. Construction of tissue-engineered vascular sinoatrial node in vitro. IN VITRO CELL DEV-AN. 2026 Mar;;1-9 ICC ;Rabbit. 41872392